

Liquid Crystal Video Monitor

BT-LH900MC



Please use this manual together with the service manual for Model number BT-LH900E (Order No. BSD04010032).

规格

[一般规格]

电源: DC 12 V (11.0 V to 17.0 V)
电力消耗: 1.45 A

 显示安全信息。

尺寸 (宽×高×深):

218 × 176 × 65 mm

(监视器底部已经安装了主控制装置时)

重量:

2.0 kg (仅主装置)

环境工作温度:

0 °C 到 40 °C

环境工作湿度:

10 % 到 85 % (不结露)

存放环境温度:

-20 °C 到 +60 °C

[面板]

尺寸:

8.4 型

像素数:

1024 × 768 (XGA)

显示颜色:

约 16.77 百万色

视角:

上下方向: 170 °

左右方向: 170 °

[输入接口]

图像输入:

VIDEO:

1 路, BNC × 2

(1 个环路输出配置接口)

模拟分量:

1 路 YPbPr/RGBS, BNC × 4

SDI:

2 路, BNC × 3

(1 个带断开装置的接口)

GPI:

D-sub, 9 针

RS-232C:

D-sub, 9 针

直流输入:

XLR, 4 针

电池固定装置:

Anton Bauer 制作的电池固定装置

[所支持的信号格式]

使用 **SDI** 信号时的格式

480/59.94I	576/50I
720/60P	720/59.94P
1035/60I	1035/59.94I
1080/24psF	1080/23.98psF
1080/24P	1080/23.98P
1080/25P	1080/30P
1080/29.97P	1080/50I
1080/60I	1080/59.94I

使用 **RGB** 信号时的格式

480/59.94I	576/50I
480/59.94P	720/60P
720/59.94P	1035/60I
1035/59.94I	1080/50I
1080/60I	1080/59.94I

使用 **Y/Pb/Pr** 信号时的格式

480/59.94I	576/50I
480/59.94P	720/60P
720/59.94P	1035/60I
1035/59.94I	1080/24psF
1080/23.98psF	1080/24P
1080/23.98P	1080/25P
1080/30P	1080/29.97P
1080/50I	1080/60I
1080/59.94I	

使用 **视频信号**时的格式

480/59.94I	576/50I
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[随监视器提供的附件]

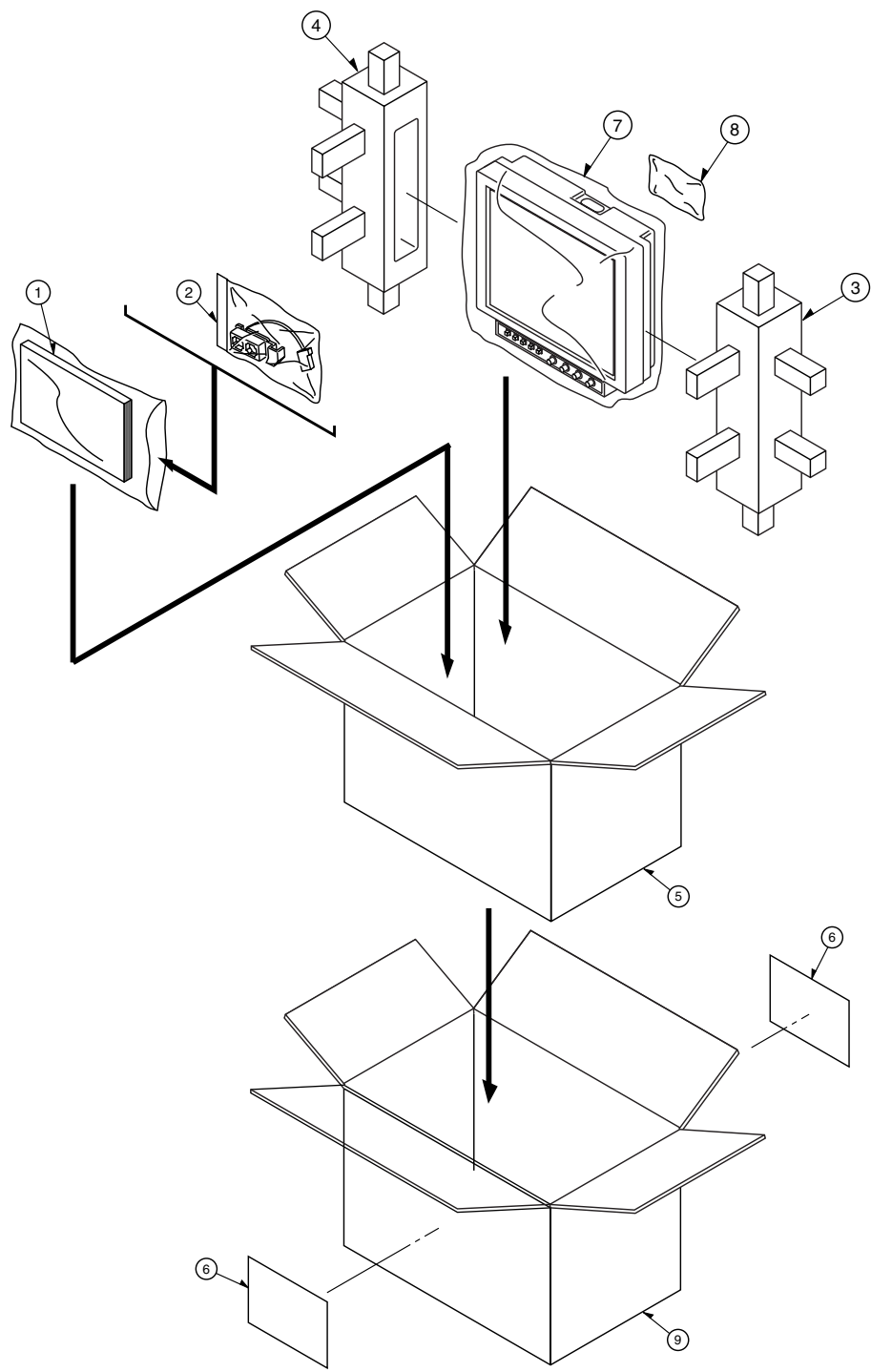
金属电池架

The difference between BT-LH900MC and BT-LH900E is only Packing Parts assembly.

Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.

PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
 1	VQT0J01	OPERATING INSTRUCTIONS	1						
2	VEJ1672	BATTERY ADAPTOR ASS'Y	1						
3	VPN6082	CUSHION (L)	1						
4	VPN6083	CUSHION (R)	1						
5	VPG0V15	PACKING CASE (IN)	1						
6	VQL9821	PACKING LABEL	2						
7	VPF0672	DECK PROTECT BAG	1						
8	VPN2745	PROTECT MAT	1						
9	VPG0W85	PACKING CASE (OUT)	1						



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Sec. 2	<i>Electrical Adjustments</i>
Sec. 3	<i>Block Diagrams</i>
Sec. 4	<i>Schematic Diagrams</i>
Sec. 5	<i>Exploded Views & Replacement Parts Lists</i>



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products deal with in this service manual by anyone else could result in serious injury or death.

Specifications

[GENERAL]

Power supply: DC 12 V (11.0 V to 17.0 V)
Input current: 1.45 A

 indicates safety information.

Dimensions (W × H × D):

218 × 176 × 65 mm

(When the main controls have been installed at the bottom of the monitor)

Weight:

2.0 kg (main unit only)

Ambient operating temperature:

0 °C to 40 °C

Ambient operating humidity:

10% to 85% (no condensation)

Ambient temperature for storage:

−20 °C to +60 °C

[Panel]

Size:

8.4 type

Number of pixels:

1024 × 768 (XGA)

Display colours:

Approx. 16.77 million colours

Angle of view:

Top-bottom direction: 170°

Left-right direction: 170°

[Input connectors]

Image input:

VIDEO:

1 line, BNC × 2

(1 connector with through-out configuration)

Analogue component:

1 line for YPBPR/RGB, BNC × 4

SDI:

2 lines, BNC × 3

(1 connector with switched out facility)

GPI:

D-sub, 9 pins

RS-232C:

D-sub, 9 pins

DC input:

XLR, 4 pins

Battery holder:

Battery holder made by Anton Bauer

[Signal formats supported]

Formats when SDI signals are used

480/59.94I	576/50I
720/60P	720/59.94P
1035/60I	1035/59.94I
1080/24psF	1080/23.98psF
1080/24P	1080/23.98P
1080/25P	1080/30P
1080/29.97P	1080/50I
1080/60I	1080/59.94I

Formats when RGB signals are used

480/59.94I	576/50I
480/59.94P	720/60P
720/59.94P	1035/60I
1035/59.94I	1080/50I
1080/60I	1080/59.94I

Formats when Y/Pb/Pr signals are used

480/59.94I	576/50I
480/59.94P	720/60P
720/59.94P	1035/60I
1035/59.94I	1080/24psF
1080/23.98psF	1080/24P
1080/23.98P	1080/25P
1080/30P	1080/29.97P
1080/50I	1080/60I
1080/59.94I	

Formats when video signals are used

480/59.94I	576/50I
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[Accessories provided with the monitor]

Metal battery mount

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than $5M\Omega$.

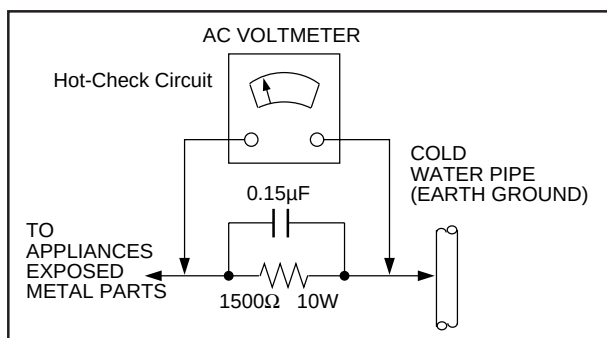


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5k\Omega$, 10W resistor, in parallel with a $0.15\mu\text{F}$ capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB :

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

1. Pb free solder has a high melting point than standard solder; Typically the melting point is $50-70^\circ\text{F}$ ($30-40^\circ\text{C}$) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to $700\pm 20^\circ\text{F}$ ($370\pm 10^\circ\text{C}$).
2. Pb free solder will tend to splash when heated too high (about $1100^\circ\text{F}/600^\circ\text{C}$)

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
(most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV , $\pm 0.15\text{kV}$. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.

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SECTION 1

SERVICE INFORMATION

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1. Maintenance

1-1. Necessity for maintenance

A backlight power supply is used in this LCD monitor. This part (which is a consumable) will deteriorate over time and lead to a reduced level of performance and failure. For this reason, it involves periodic maintenance and servicing aimed at keeping up the performance that the monitor is designed to provide and preventing sudden failures caused by consumable part.

1-2. Maintenance Schedule

The times given below indicate rough times for maintenance. They do not indicate the operating life of the various parts. The times and part numbers are subject to change so consult the most recent maintenance guidelines.

No.	Part Name	Part No.	Quantity	Hours of exchange
1	BACKLIGHT	84LHS03	1	38,000 hours

NOTE:

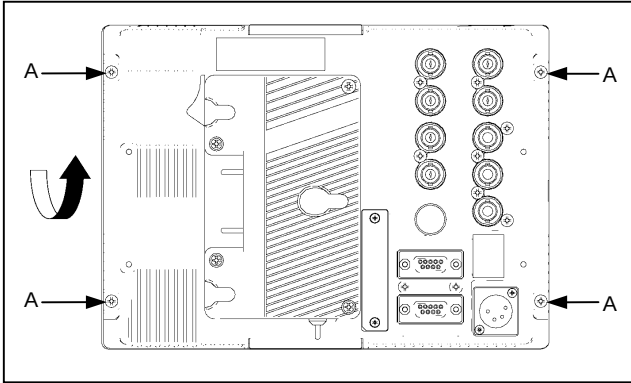
- Refer to the times displayed under each item under the “MAINTENANCE” in the SERVICE menus as a guide to replacement times.

1-3.Exchange method of the Backlight.

1. Unscrew the 4 Screw (A), and open the backcase by turning it to the direction of the arrow.

NOTE

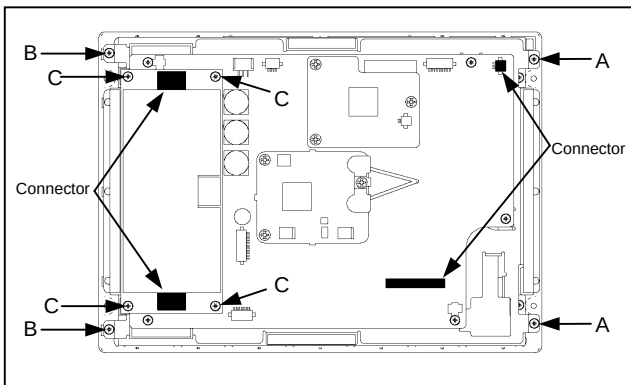
Work carefully so as not to damage the Flexible cable when removing it.



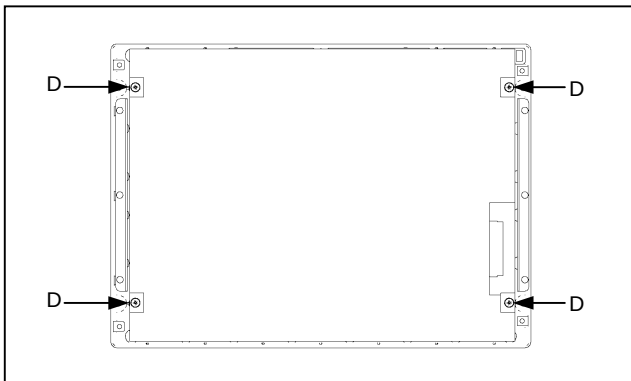
2. Disconnect the 4 Connectors.
3. Unscrew the 4 Screw (B), and remove the MAIN P.C.B. base and P.C.board by the combination.

Reassembly Note

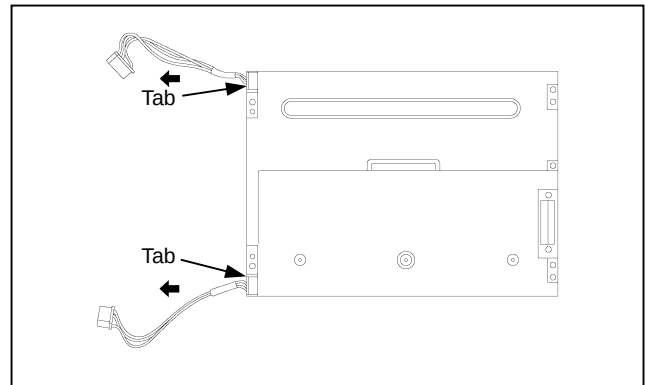
When installing the connector of the inverter, unscrew the 4 Screw (C) and remove the inverter and then install it.



4. Unscrew the 4 Screw (D), and remove the LCD Panel.



5. When removing the Backlight, Slide the Backlight as indicated by the arrow while releasing the Locking tab.



2. Service menu

2-1. Service Menu Operation Method

1. While simultaneously pressing the [INPUT] and [MENU/EXIT] button and the [HD ZOOM/√] button, switch on the unit's power.
2. Press the [MENU/EXIT] button once again. The service menu appears on the LCD. Press the [√] button and [^] button to select the item, then press [ENTER]. The screen to change the item appears.
3. Turn off the power and turn it back on to cancel a service menu display.

```

[SERVICE MENU]
GPI CHECK      ▼
ADC CHECK      ▼
INITIALIZE      ▼
TIME           ALL
BRIGHT MODE    ▼
ENGINEER PAGE  NORMAL
SOFT VER.       ▼
FPGA1 REV.     1.0.10
FPGA2 REV.     13
                14
  
```

Setting items	Options	Content and descriptions
GPI CHECK	▼	Checks the function of the GPI terminal.
ADC CHECK	▼	Sets the automatic adjustment of the ADC value.
INITIALIZE	ALL/ SET UP/ HOUR METER/ GAMMA/ ADC	Initialize the each data. ALL: SET UP and HOUR METER data. SET UP: menu, function button, image controls data. HOUR METER: hour meter data. GAMMA: Not used ADC : Not used
TIME	▼	Displays and clears the time on each hour meter. OPERATION :Displays the operation time.(Can not reset) LCD :Displays the LCD operation time.(Can be reset) BACKLIGHT :Displays the BACKLIGHT operation time.(Can be reset)
BRIGHT MODE	NORMAL/ CONNECT	Controls the operation of the image controls. NORMAL: Normal operation CONNECT: Connects with the BACKLIGHT
ENGINEER PAGE	▼	Not used
SOFT VER	---	Shows the version of the software.
FPGA REV	---	Shows the revision of the FPGA1.
FPGA REV	---	Shows the revision of the FPGA2.

3. How to set the internal switches

The table shows the functions of the switches on the Main and Sub board. Switches indicated "Factory use only" must be set to the "Factory Setting".

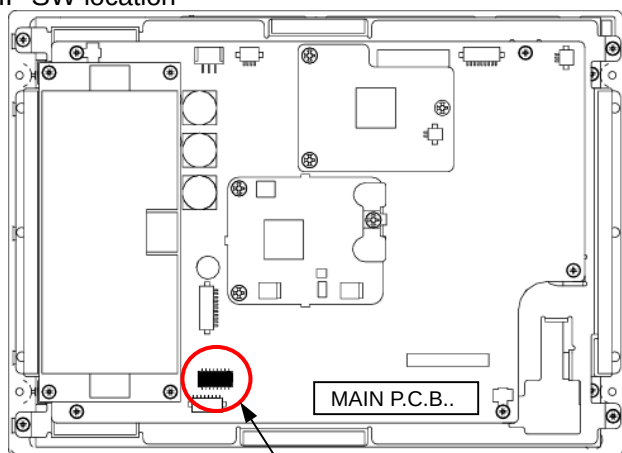
MAIN P.C.BOARD

DIPSW6200	Function	Factory Setting.
1	Factory use only	OFF
2		OFF
3		OFF
4		OFF
5		OFF
6		OFF
7		ON
8		ON

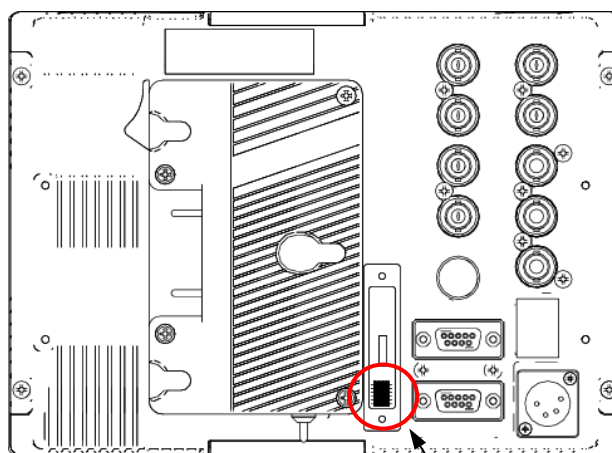
SUB P.C.BOARD

DIPSW3601	Function	Factory Setting
1	Used when writing over microprocessor software.	ON
2	Factory use only	OFF
3	Used when writing over microprocessor software.	OFF
4	Factory use only	OFF
5	Factory use only	OFF
6	Used when setting gamma and ADC value.	OFF

DIP SW location



SW6200



SW3601

4. Software Version Upgrade Method

4-1. Version Upgrade for the microprocessor with Flash Memory

The microcomputers on the MAIN circuit board has built-in flash memory. Version up the software according to the following procedure.

4-2. Version Upgrade Preparations

4-2-1. Items required to write to the flash memory

- Software for updating
VFK1791 (Flash starter)
- PC Windows 95,98
- RS-232C cable (9P straight cable)

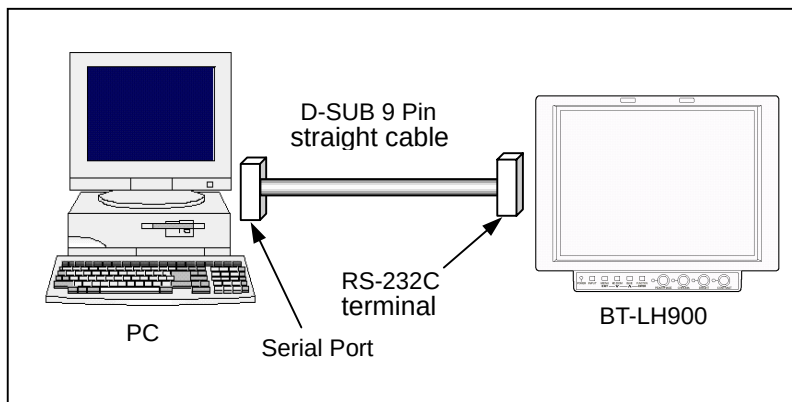
4-2-2. Installation of version up software

Copy the following file to a directory of your choice on the Windows 95/98 compatible computer.

- VFK1791(Flash starter)

4-2-3. Connection

Switch the unit's power off, and then connect the RS-232C cable (9P straight cable) to the unit's REMOTE terminal (D-Sub 9 pin) and the computer as shown below.

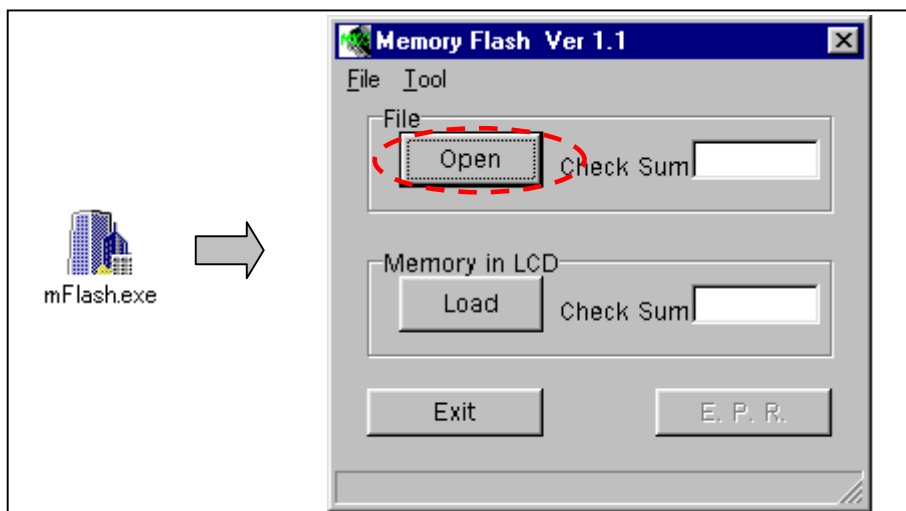


4-3. Writing steps

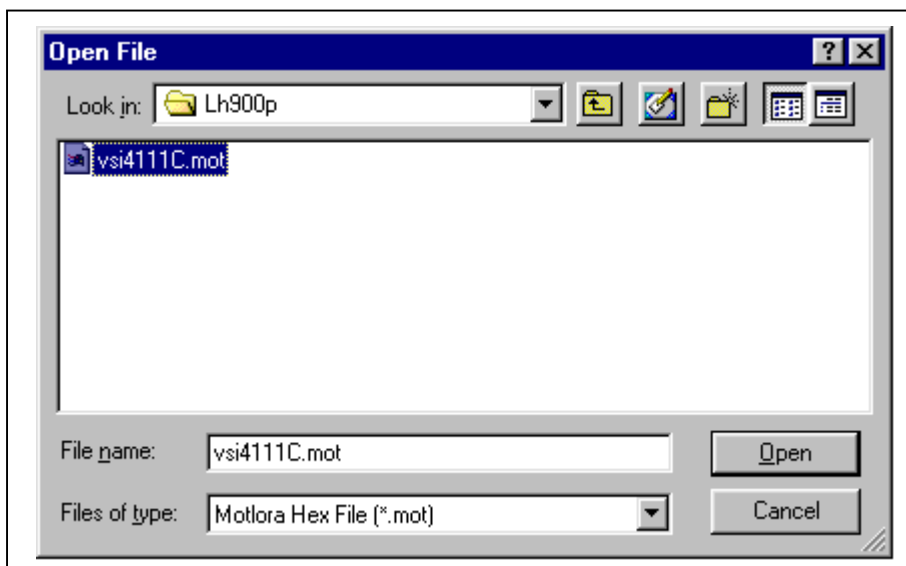
1. Remove the maintenance cover, set DIP switch (SW3601) as follows.

DIPSW3601	Position	
1	OFF	← SET
2	OFF	
3	ON	← SET
4	OFF	
5	OFF	
6	OFF	

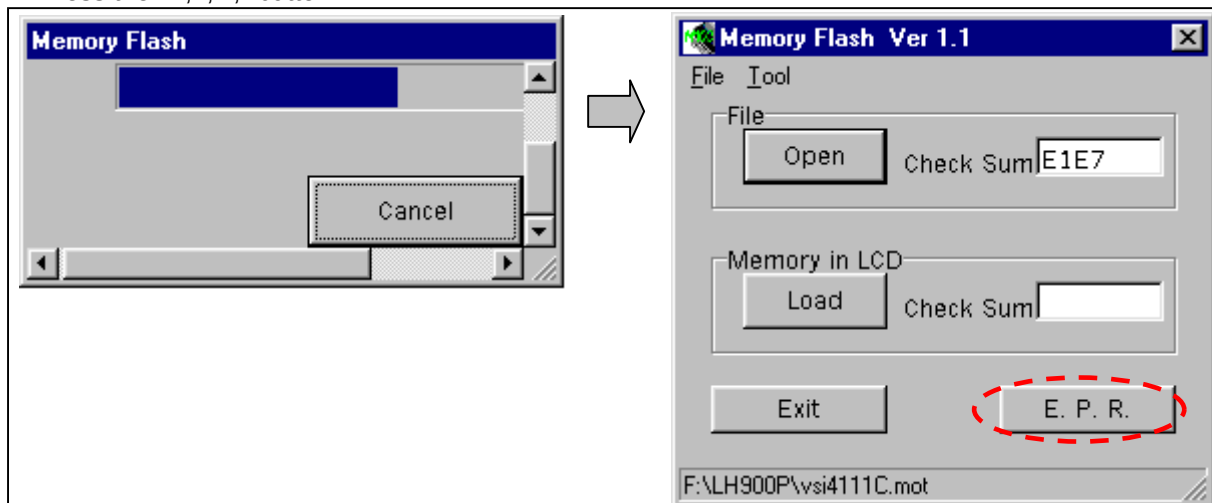
2. Switch the unit's power on.
3. Start up the software for updating the flash memory. "mFlash.exe"
4. Press the "Open" button.



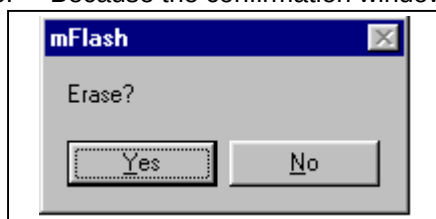
5. Select the floppy drive and then select the "jcf format file (***.jcf) on dialog box of Restore JCF" and then press the "Open" button.



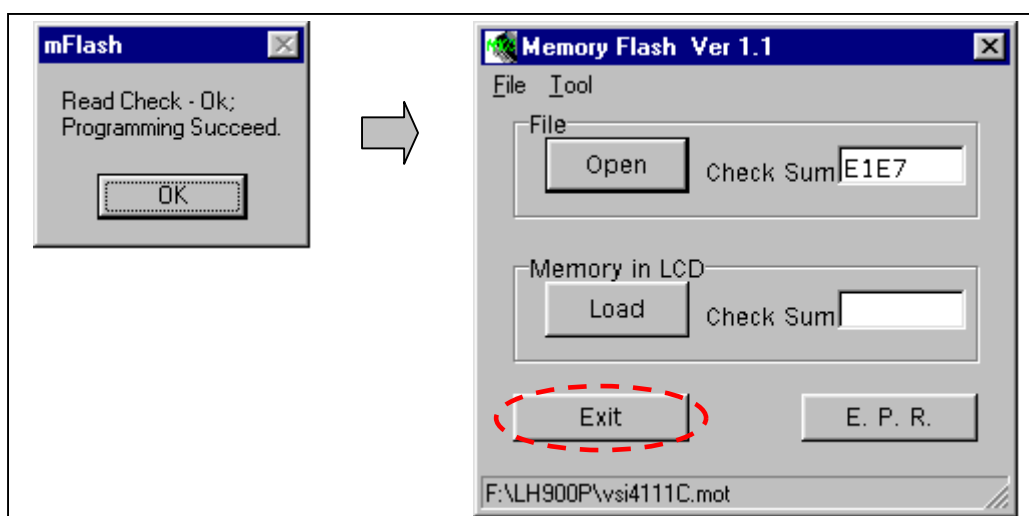
6. After reading the memory, Check Sum value appears.
7. Press the "E,P,R," button.



8. Because the confirmation window of the note is displayed I push a button "Yes".



9. "Read Check - Ok" appears if the program ends correctly. Press the OK button then Exit button to end Flash Starter.



10. Return the DIP switch (SW3601) on the SUB board to the default setting, and attach the maintenance cover.

DIPSW3601	POSITION
1	ON
2	OFF
3	OFF
4	OFF
5	OFF
6	OFF

← SET

← SET

5. PLD Version Upgrade Procedure

This Model uses **PLDs**. When you upgrade version, use the special tool, connect to the connector for writing of each PLD, and use the PLD writing software.

Circuit board name	Name	Ref. No.	Connector for writing	PLD maker
MAIN P.C.B.	FPGA1	IC6400	P3605(P6104)	ALTERA
	FPGA2	IC6600		

5-1. PLD Version up Method 1 (ALTERA)

A. Preparation

ITEM	REMARK
CPLD WRITER	VFK1590 VFK1590P2
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software ver9.6 or over ver9.6 (Please access to www.altera.com/support/software/download/sof-download_center.html) and select " ASAP 2 " in programming software portion in order to download it.
File NAME	jcf File (Included in "vvvsi xxxx" file). (Copy all files of the VVVS1**** which is included " *.jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between the connector for writing of each PLD (refer to below) and P2 connector of CPLD WRITER.
3. Turn on this model and Personal Computer (Windows mode).

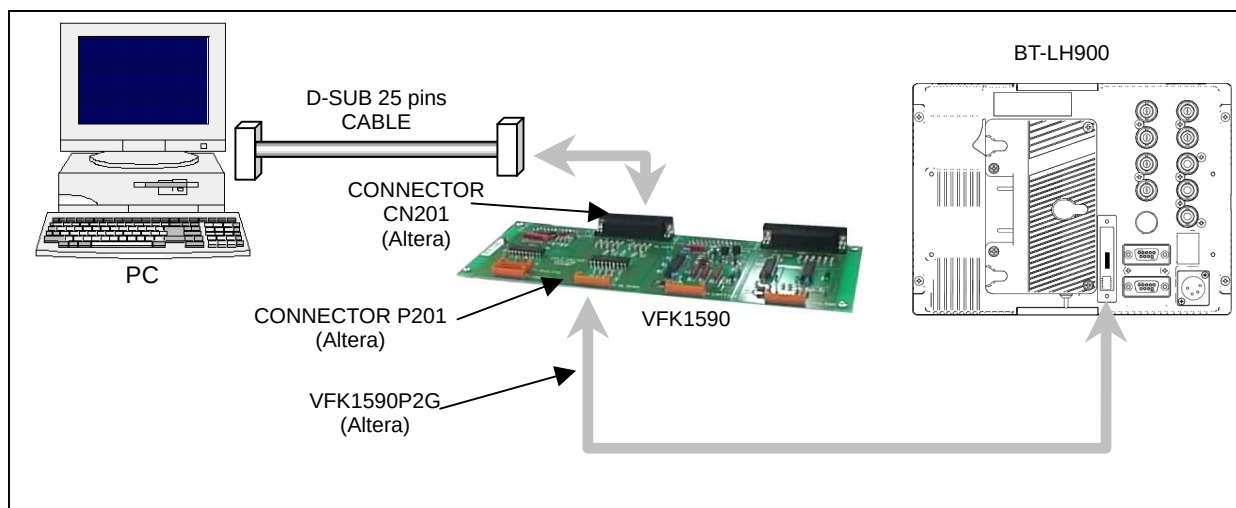
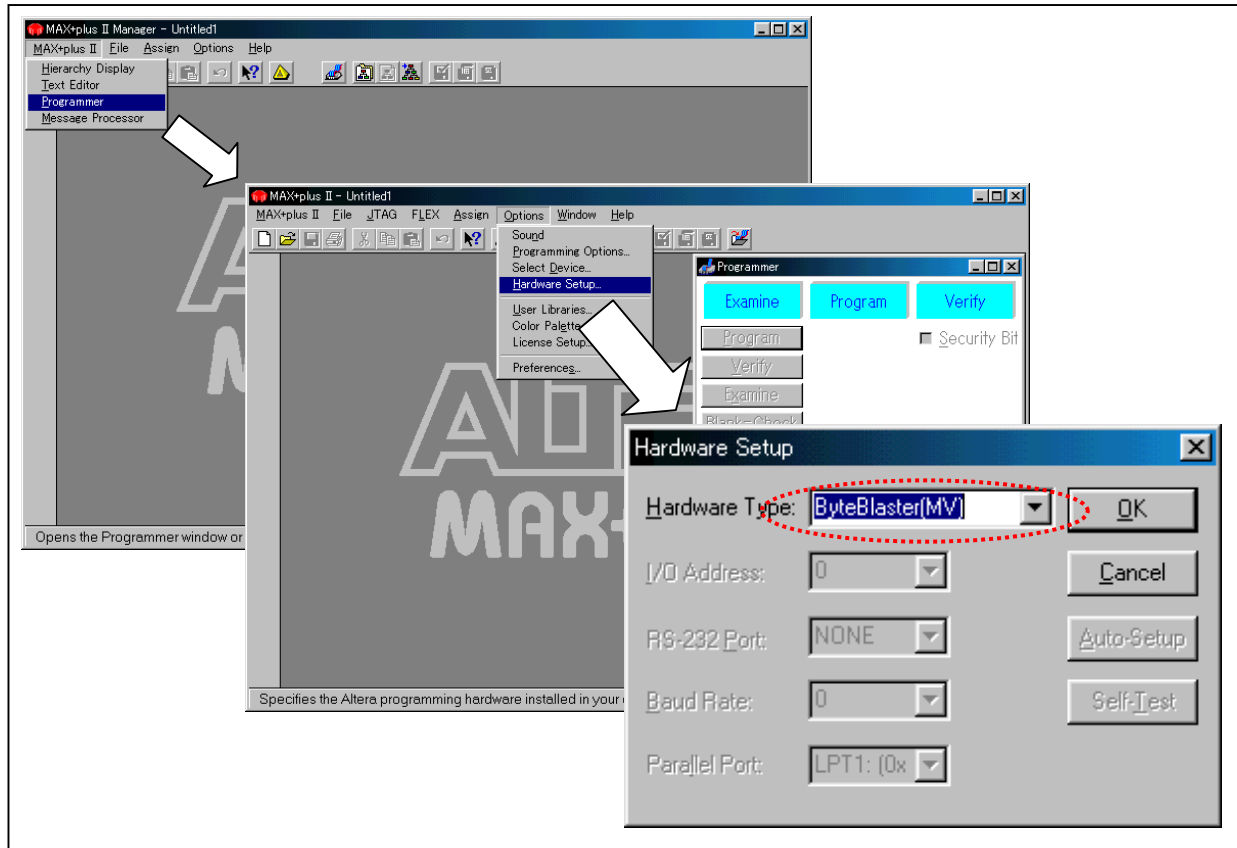


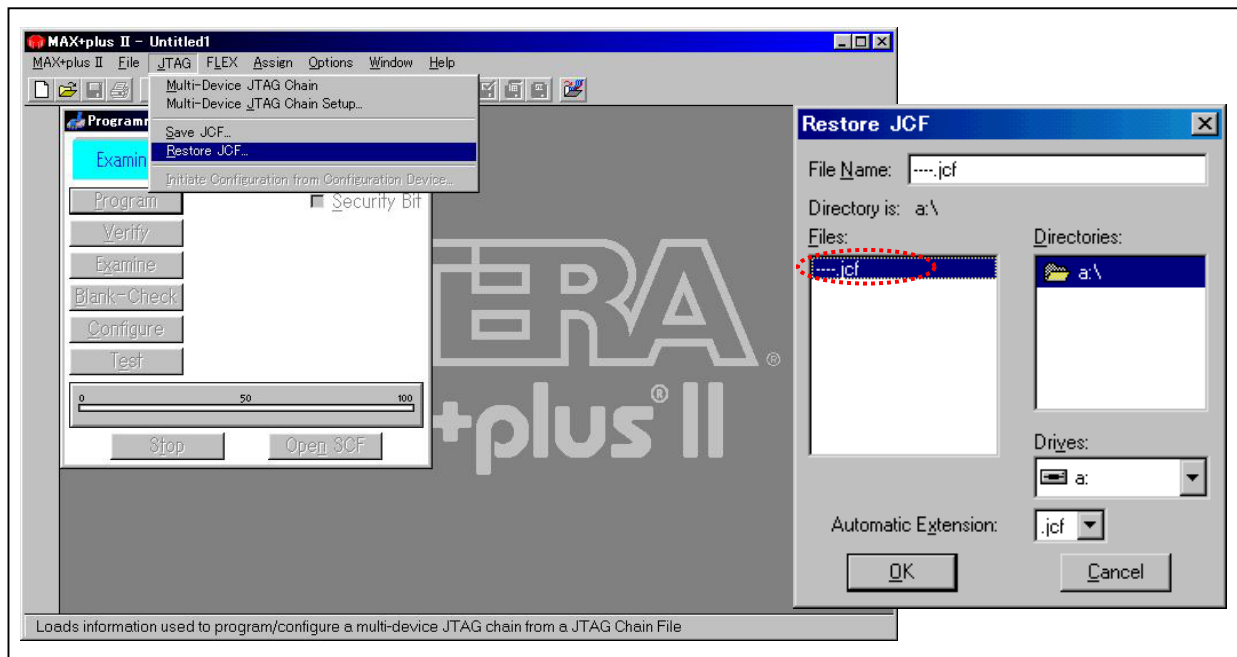
Figure 12-3-1 Connection for CPLD writer

C. Boot up the Ver. up Software and Ver. up Procedure

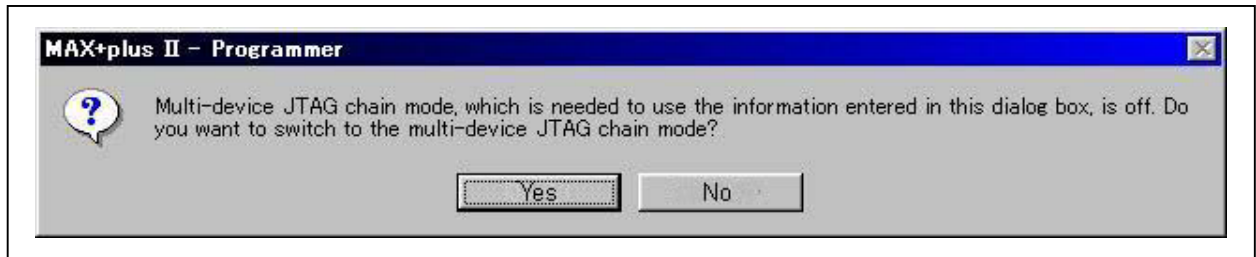
1. Insert floppy disk (which is included all files of the VVSI***) to floppy drive.
2. Select “**start button**” on the Windows Screen and then “**Program**” and then boot up the “**MAX+plus II *** programmer only**” so that the following menu appears.
3. On main window, select tab “**MAX+plus II**” and then “**Programmer**”.
4. On main window (Programmer window is displayed), select tab “**Option**” and then “**Hardware Setup**”.
5. On **Hardware Setup** dialog, set the “**Hardware Type**” to “**Byte Blaster (MV)**”.



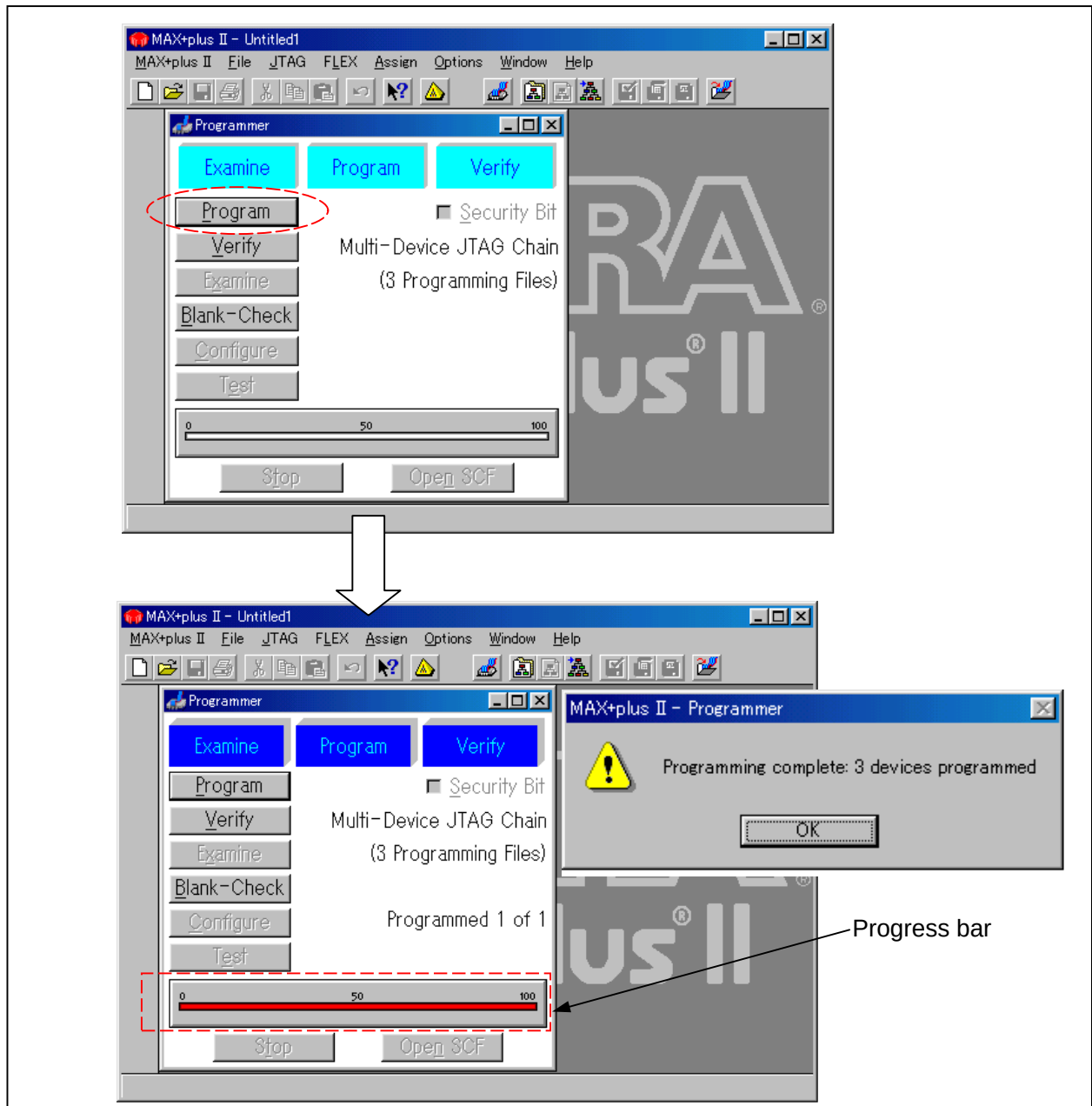
6. On main window, select tab “**JTAG**”, and then select “**Restore JCF...**”.
7. Select the floppy drive and then, select the “**jcf format file (***.jcf)** on dialog box of **Restore JCF**” and then press “**OK**” button.



8. If the following message appeared, Press “Yes” button.



9. Click the “**Program**” button on Programmer dialog.
10. When Progress Bar reaches at point of **100**, the message “Programming Complete” appears, then PLD version upgrade is completed. Click “**OK**” button on the **Programming complete** message Dialog.
11. Confirm that PLD version of VTR is updated. (refer to INF-10)



* MAX+PLUS are registered trademarks of Altera Corporation.

*Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

6. GAMMA Data Backup (/Restore) Method

This unit memorizes gamma correction data in EEPROM (IC6203) on the MAIN circuit board. Therefore, when exchanging the MAIN circuit board or EEPROM (IC6203), backup the gamma correction data at the personal computer in advance and restore it data exchanged EEPROM.

6-1. preparations of Backup/Restore the GAMMA Data

6-1-1 Required Items for backup and restore

- Gamma Adjustment Software VFK1893
- PC Windows95,98 or over
- RS-232C cable (9P straight cable)

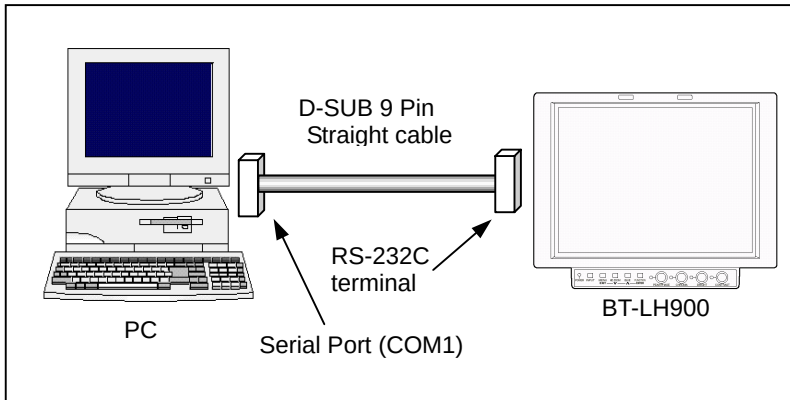
6-1-2. Installation of Gamma Adjustment Software

Copy the following file to a directory of your choice on the PC.

- VFK1893

6-1-3. Connection

- Switch the unit's power off, and connect the RS-232C cable (9P straight cable) to the unit's RS-232C terminal (D-Sub 9Pin) and the PC as shown below.

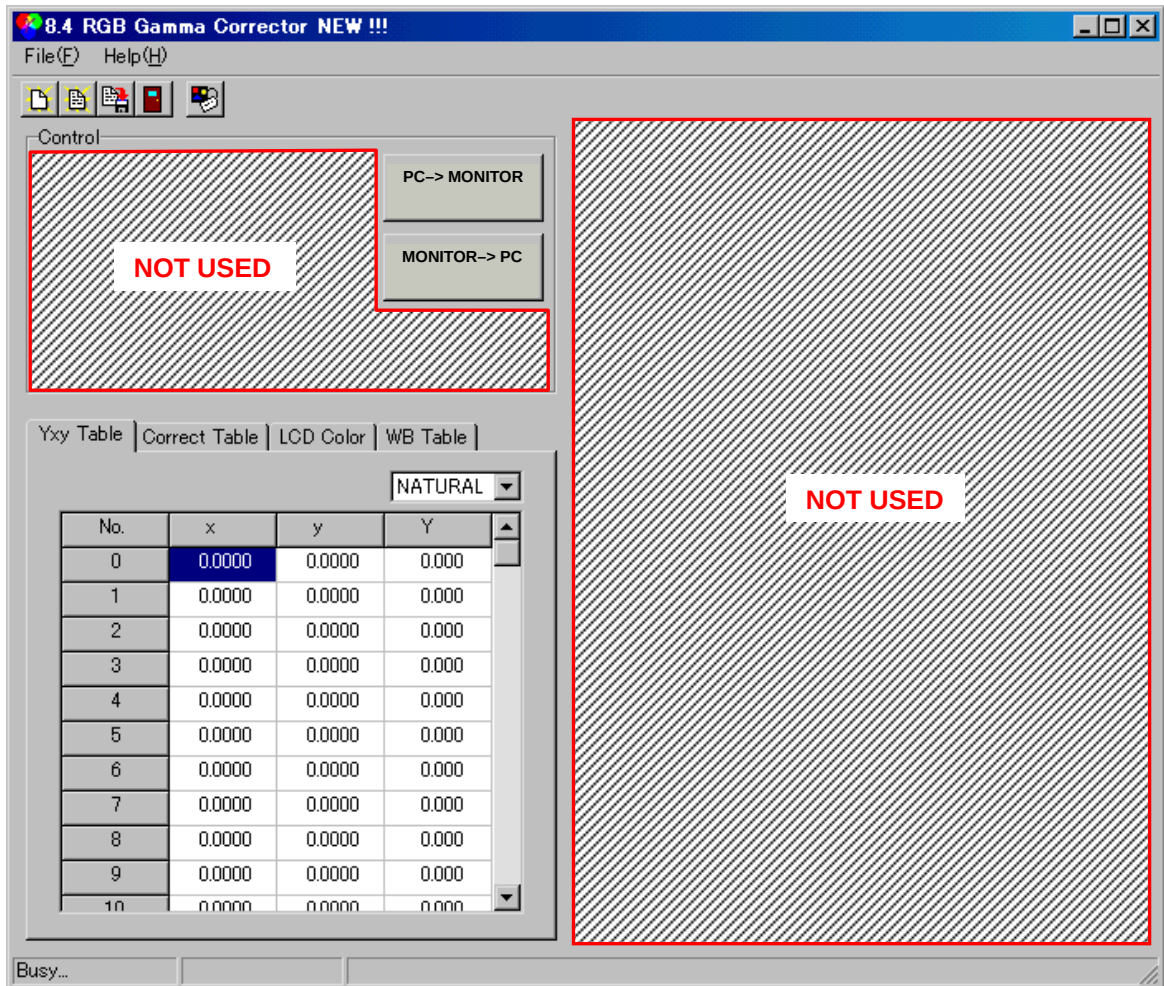


6-2. Data Backup Procedure

1. Turn ON the monitor and PC.
2. Execute the "Corrector.exe" and boot up the gamma adjustment software.



3. Main window is displayed as follows.
4. Click the "MONITOR->PC" button and download starts.



5. When message "Complete" appears, click the "OK" button.
NOTE: When click the "Correct Table" button, the gamma correction data can be confirmed.



6. When saving data which was download in the Gamma Adjustment software, Click the "File" tab and select the "Save As" button and specify the optional folder of the PC.

6-3. Data Restore Procedure

1. Execute "**Corrector.exe**" and boot up the gamma adjustment software start.
2. Main window is displayed.
3. Click the "File" tab and select the "Open", and then read the gamma correction data, which saved in advance.
4. Click the "**PC->MONITOR**" button so that the gamma correction data restore in EEPROM(IC6203).
5. Click the "OK" button on the "Complete" message to end programming.

SECTION 2

ELECTRICAL ADJUSTMENTS

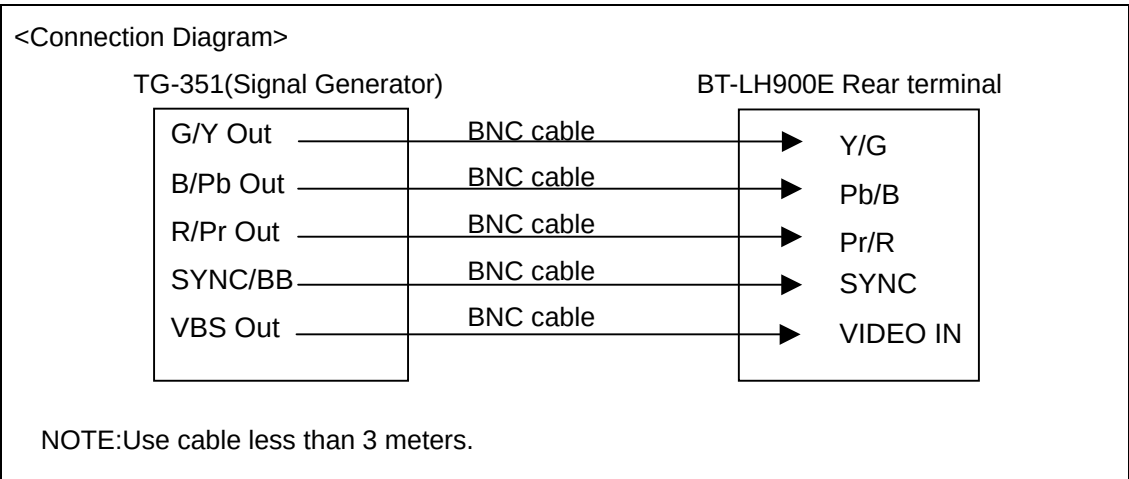
CONTENTS

1. ADC level adjustment.....	EAD-1
1-1Preparations.....	EAD-1
1-2ADC level adjustment.	EAD-2
2. TP and VR Location / Parts Location Table.....	EAD-4

1. ADC level adjustment

1-1. Preparations

M.EQ	Digital test signal generator TG351A (Shibasoku)
CABLE	5 BNC cable



- 1. Follow the diagram to connect the signal generator and the rear terminal of BT-LH900E with the BNC cables.
- 2. Switch on the signal generator and LCD monitor. Allow the LCD monitor to warm for 10 minutes after switching it on before making adjustment.
- 3. Remove the service cover of the rear panel and set DIP-switch(SW3601) as follow.

DIPSW3601	POSITION
1	ON
2	OFF
3	OFF
4	OFF
5	OFF
6	ON

➔ SETTING

1-2. ADC level adjustment

1. Open the service menu. (While simultaneously pressing the [INPUT]+[MENU/EXIT]+[HD ZOOM/√] buttons, switch on the unit's power. And press the [MENU/EXIT] button once again.)
2. Select "ADC CHECK" and press the [ENTER] button to go to the item's sub menu.

```

[ADC AUTO CHECK]
YpbPr  480I  480P  1080
RGB     480I  480P  1080
VIDEO NTSC PAL
      COMPLETE   : GREEN
      UNCOMPLETE : BLEU
(AUTO)   Y/G    PB/B    PR/R
OFFSET    0      0      0
CONTRAST  0      0      0
LEVEL     0      0      0
      INPUT 1080I-YPBPR
              & PRESS ENTER KEY
  
```

3. Follow the instructions at the bottom of the screen to input the signals shown in this table.

Order	LCD Display	Signal input	Input format
1	INPUT1080I-YPBPR	1080/60I	YPBPR
2	INPUT1080I-RGB	1080/60I	RGB
3	INPUT480P-YPBPR	480/60P	YPBPR
4	INPUT480P-RGB	480/60P	RGB
5	INPUT480I-YPBPR	480/60I	YPBPR
6	INPUT480I-RGB	480/60I	RGB
7	INPUT NTSC-VIDEO	480/60I	VBS
8	INPUT PAL-VIDEO	480/60I	VBS

(Signal for adjustment: 100% full field color bar)

4. Confirm that the color bar is on the LCD and press the [ENTER] button. Measurement starts automatically.
5. Once measurement of one signal finishes, the next signal is displayed. Follow the instructions to select the type of signal on the test signal generator and press the [ENTER] button.

NOTE:

1. If in steps 4 and 5 the color bar fails to appear normally or messages fail to appear, press [√], or change to another signal then return to the correct signal, or disconnect the cables connecting the LCD and signal generator and then reconnect them.
2. The message shown below appears when ADC adjustment couldn't be performed. Make sure the correct signal is being used or check the connections.
3. If this error occurs, start ADC adjustment from the beginning again.

```

ERROR!!
PRESS MENU/EXIT KEY
  
```

6. All the measuring signals on the LCD monitor change to green letters and the following message appears when measurement is complete.

ADJUST--COMPLETE!! PRESS ENTER KEY

7. Press the [ENTER] button to save the measurement data. The following message appears on the LCD when saving is complete. Press the [MENU/EXIT] button to finish the procedure.

WRITE EEPROM--COMPLETE!! PRESS MENU/EXIT KEY

8. Return DIP-switch(SW3601) as follow.

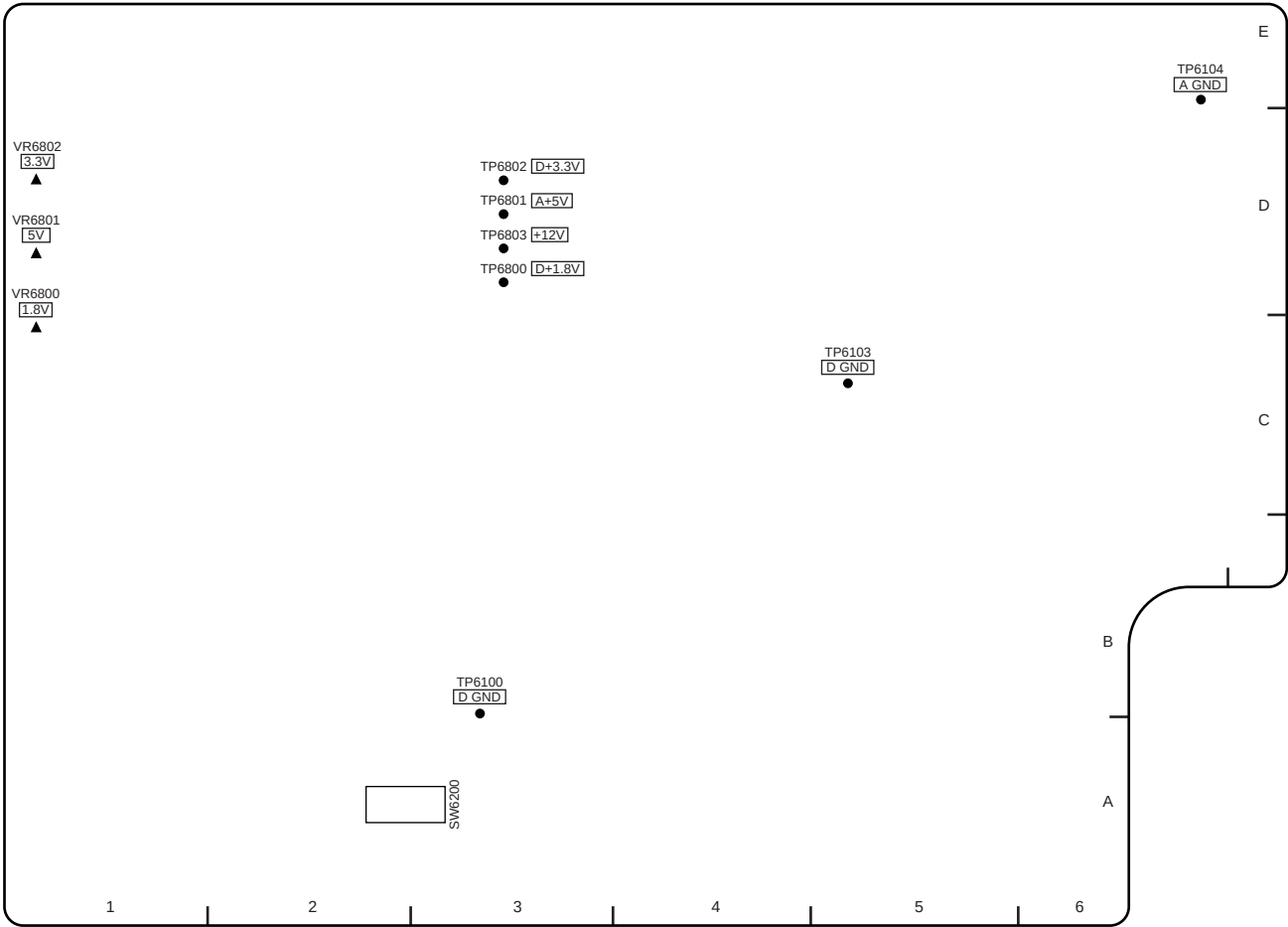
DIPSW3601	POSITION
1	ON
2	OFF
3	OFF
4	OFF
5	OFF
6	OFF

⬅ SETTING

2.TP and VR Location / Parts Location Table

MAIN P.C.BOARD

COMPONENT SIDE											
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC6100	B3	IC6402	E5	IC6807	D2	P6105	E5	Q6803	D1	TP6803	D3
IC6101	C3	IC6403	E4	IC6808	C1	P6300	D4	Q6804	D2	VR6800	C1
IC6102	C3	IC6404	C5	IC6810	E1	P6700	A5	Q6805	D1	VR6801	D1
IC6103	B3	IC6503	B4	IC6811	E1	P6800	E2	QR6802	C1	VR6802	D1
IC6104	C3	IC6602	C6	IC6812	E1	P6801	B2	QR6803	C2	X6200	B2
IC6203	A2	IC6603	C6	IC6813	E1	Q6300	E5	SW6200	A2	X6500	A3
IC6204	A1	IC6800	C1	IC6816	C1	Q6301	E5	TP6100	B3		
IC6205	A1	IC6801	C1	P6100	C3	Q6302	E5	TP6103	C5		
IC6206	A1	IC6802	D1	P6101	E7	Q6303	D6	TP6104	E6		
IC6302	D7	IC6803	D1	P6102	E3	Q6800	C2	TP6800	D3		
IC6304	D7	IC6805	D1	P6103	E6	Q6801	C1	TP6801	D3		
IC6305	C7	IC6806	D1	P6104	A2	Q6802	D2	TP6802	D3		

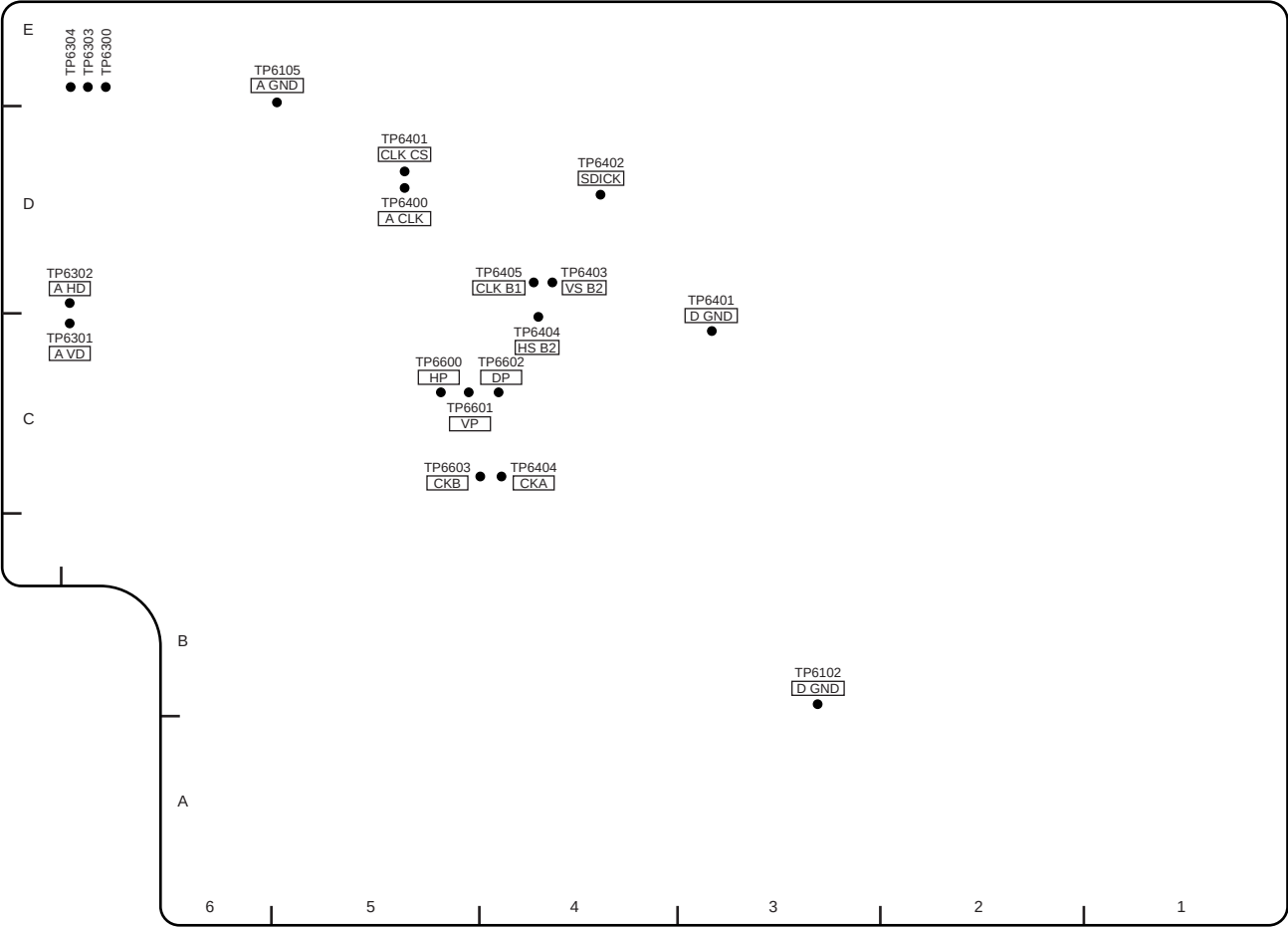


(COMPONENT SIDE)

MAIN P.C.BOARD

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC6105	E6	IC6502	B4	Q6102	B2	QR6105	C2	TP6400	D5
IC6106	C3	IC6600	C5	Q6304	D7	QR6106	C2	TP6401	D5
IC6200	B2	IC6601	C6	Q6305	D6	QR6800	D3	TP6402	D4
IC6201	B1	IC6604	B6	Q6306	D6	QR6801	D3	TP6403	D4
IC6202	A2	IC6700	B5	Q6307	E5	TP6101	C3	TP6404	C4
IC6300	D6	IC6804	E3	Q6806	D3	TP6102	A3	TP6405	D4
IC6301	C6	IC6809	D1	Q6807	C1	TP6105	E5	TP6600	C5
IC6400	D4	IC6814	C1	QR6100	E7	TP6300	E6	TP6601	C5
IC6401	C4	IC6815	B1	QR6101	E7	TP6301	C6	TP6602	C4
IC6405	E4	IC6817	D3	QR6102	B3	TP6302	D6	TP6603	C4
IC6500	A4	IC6818	E3	QR6103	B3	TP6303	E6	TP6604	C4
IC6501	B4	Q6101	B3	QR6104	B3	TP6304	E6		

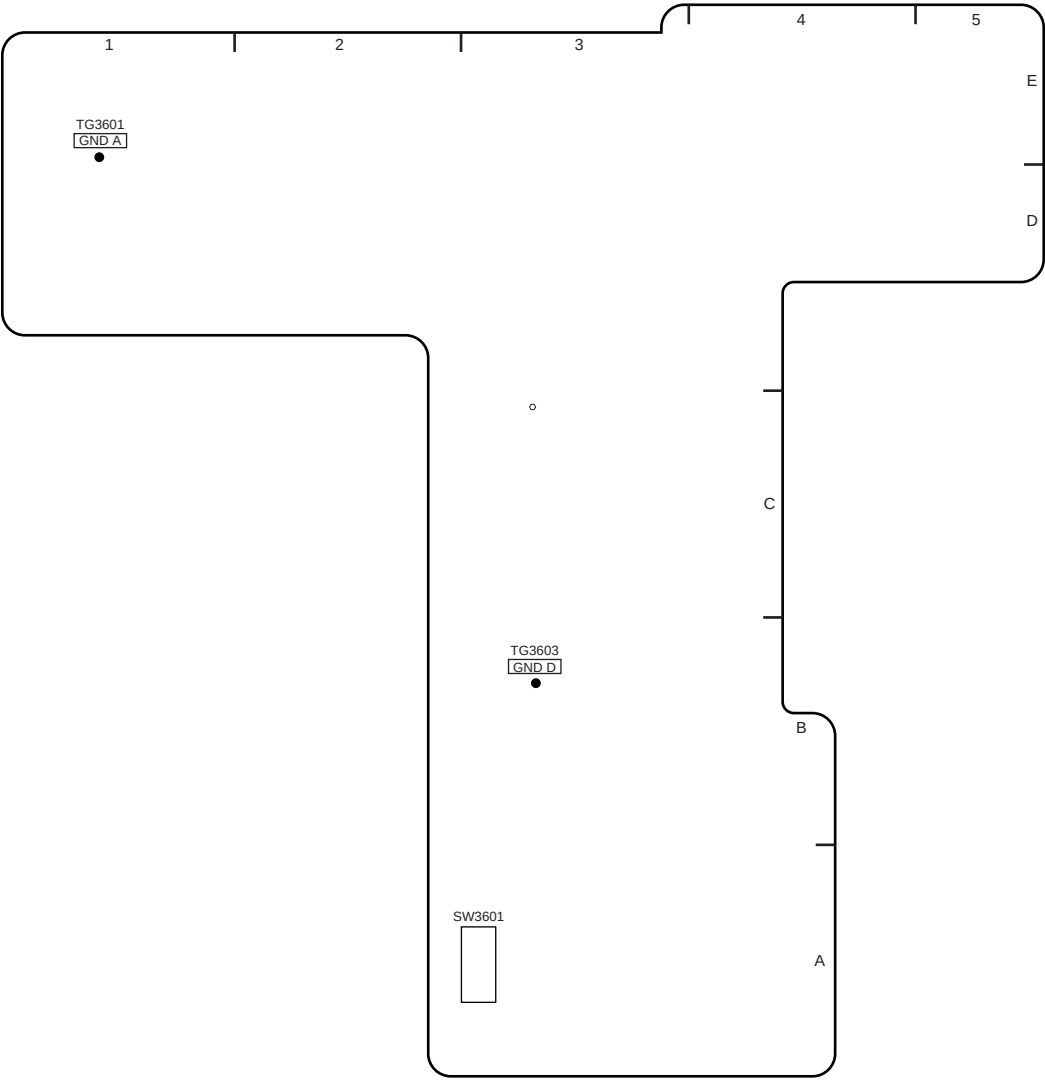


(FOIL SIDE)

SUB P.C.BOARD

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3101	E2	IC3303	E2	Q3109	E2	Q3306	D3
IC3102	E2	IC3304	D2	Q3202	C3	Q3308	D3
IC3201	C3	P3402	A4	Q3206	D3	Q3311	D2
IC3202	D3	P3403	B4	Q3208	C3	Q3313	D2
IC3203	C3	P3605	B3	Q3211	C3	Q3315	D1
IC3204	C3	Q3102	E2	Q3213	C3	SW3601	A3
IC3301	E3	Q3105	E2	Q3217	C3	TG3601	E1
IC3302	E3	Q3107	E2	Q3302	D3	TG3603	B3

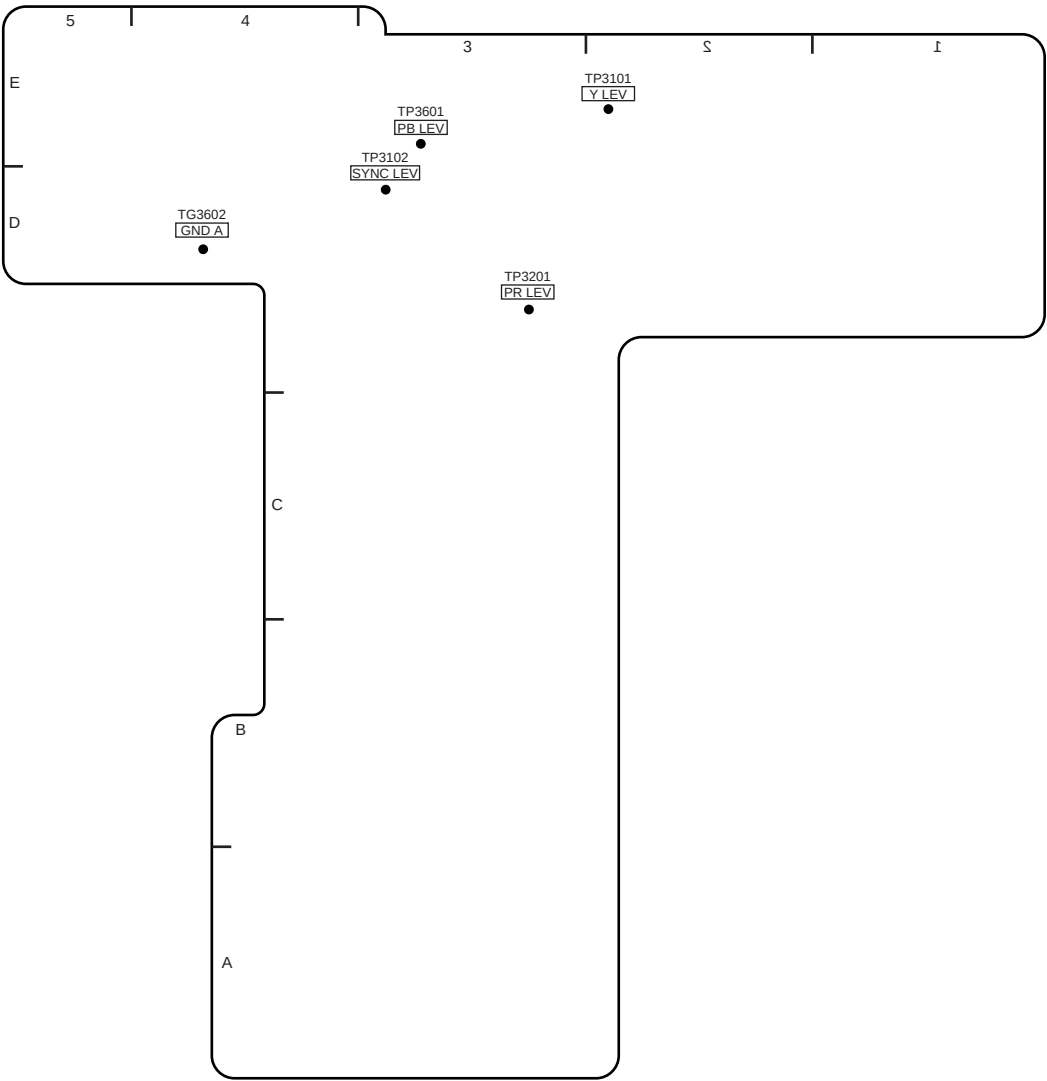


(COMPONENT SIDE)

SUB P.C.BOARD

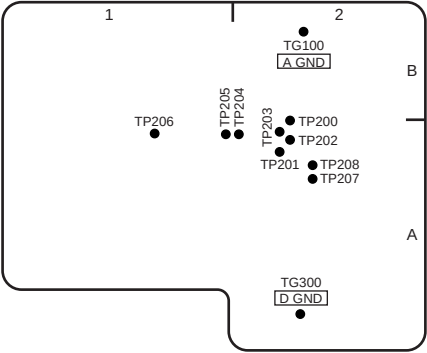
FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3403	B3	Q3106	D3	Q3207	D3	Q3303	D3	Q3316	D2
P3101	E4	Q3108	D2	Q3209	C3	Q3304	D3	Q3317	D2
P3602	E3	Q3110	E2	Q3210	C3	Q3305	E3	TG3602	D4
P3603	D1	Q3111	D4	Q3212	C3	Q3307	D3	TP3101	E2
P3604	D2	Q3201	D3	Q3214	C3	Q3309	D3	TP3102	D3
Q3101	D3	Q3203	C3	Q3215	C3	Q3310	D3	TP3201	D3
Q3103	E3	Q3204	C3	Q3216	C3	Q3312	D2	TP3301	E3
Q3104	E2	Q3205	D3	Q3301	D3	Q3314	D2		

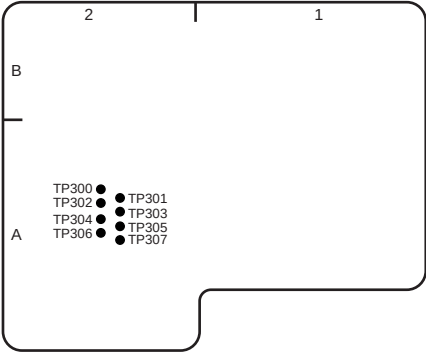


(FOIL SIDE)

CVBS DEC P.C.BOARD

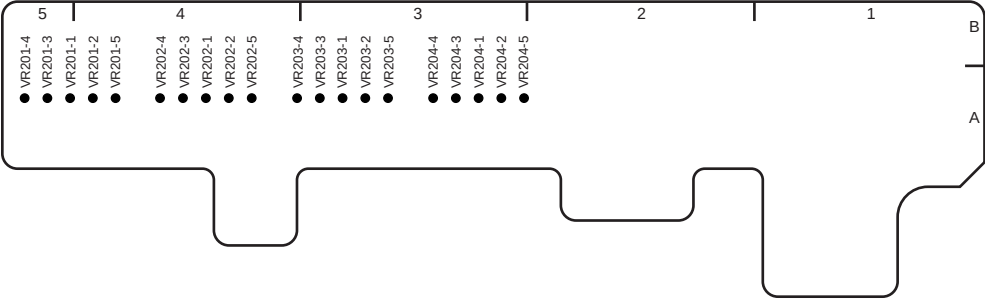


(COMPONENT SIDE)



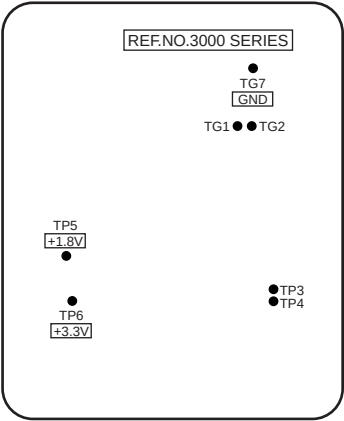
(FOIL SIDE)

FRONT P.C.BOARD



(FOIL SIDE)

SDI P.C.BOARD



(COMPONENT SIDE)

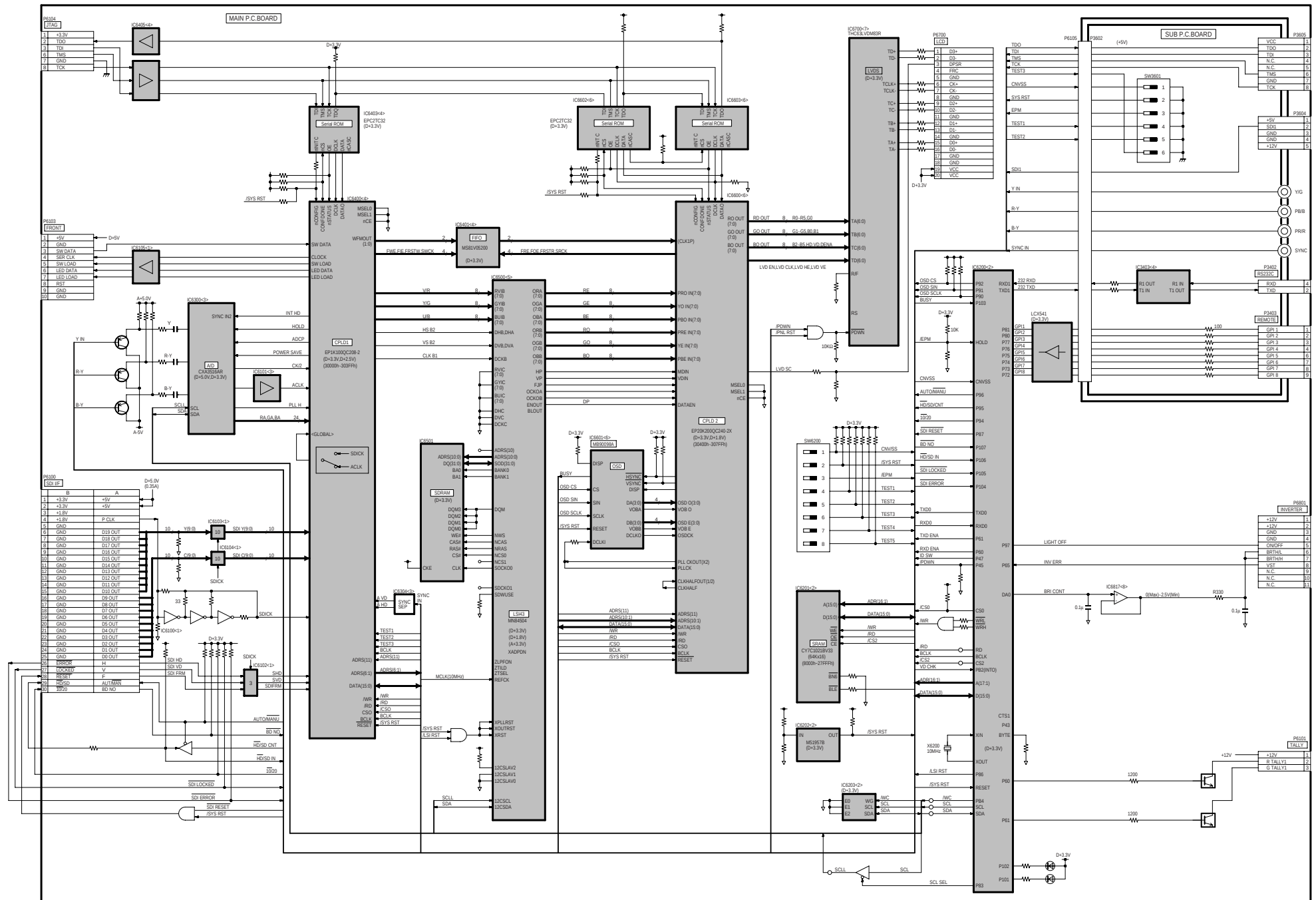
SECTION 3

BLOCK DIAGRAMS

CONTENTS

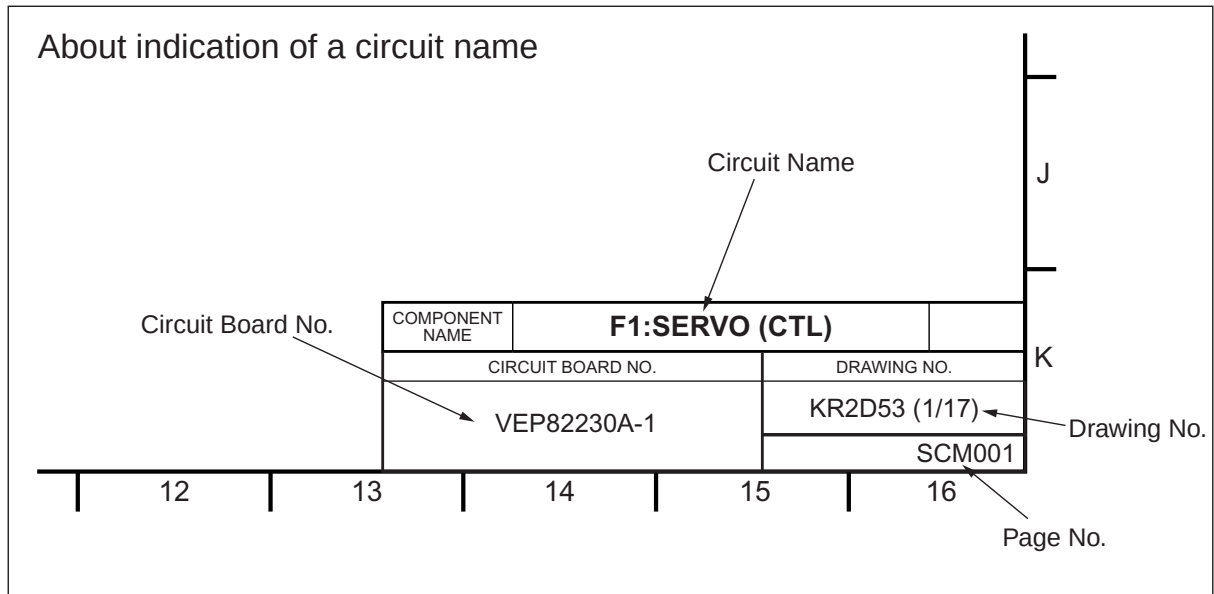
BLOCK DIAGRAM BLK-1

BLK-1



SECTION 4

SCHEMATIC DIAGRAMS



NOTE:

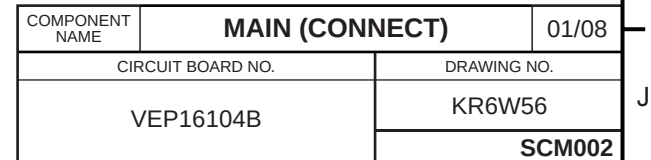
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST

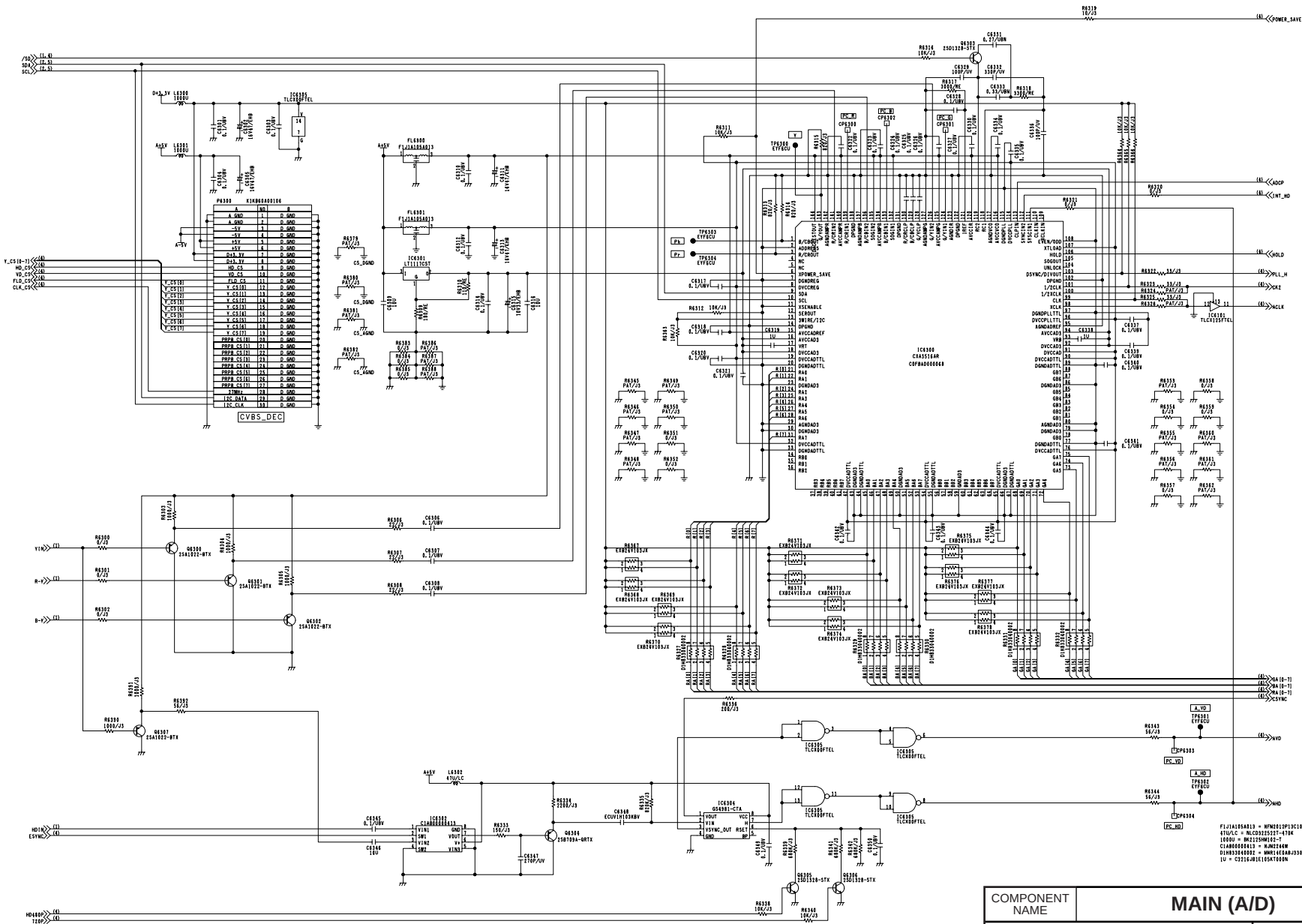
IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

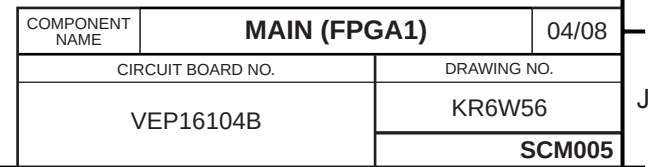
CONTENTS

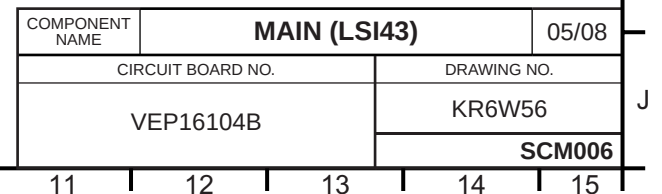
OVER ALL (1/1).....	SCM001
MAIN (CONNECT (1/8).....	SCM002
MAIN (LCD) (2/8).....	SCM003
MAIN (A/D) (3/8).....	SCM004
MAIN (FPGA1) (4/8)	SCM005
MAIN (LSI43) (5/8).....	SCM006
MAIN (FPGA2) (6/8)	SCM007
MAIN (LVDS) (7/8).....	SCM008
MAIN (REG) (8/8)	SCM009
SUB (Y IN) (1/5).....	SCM010
SUB (PR IN) (2/5)	SCM011
SUB (PB IN) (3/5)	SCM012
SUB (GPI IN) (4/5)	SCM013
SUB (CONNECT) (5/5)	SCM014
CVBS DEC (1/3)	SCM015
CVBS DEC (2/3)	SCM016
CVBS DEC (3/3)	SCM017
SDI (1/1).....	SCM018
SDI SUB (1/1)	SCM019
POWER SUB (1/1).....	SCM020
TALLY (1/1)	SCM021
FRONT (1/1)	SCM022
SW (1/1).....	SCM023

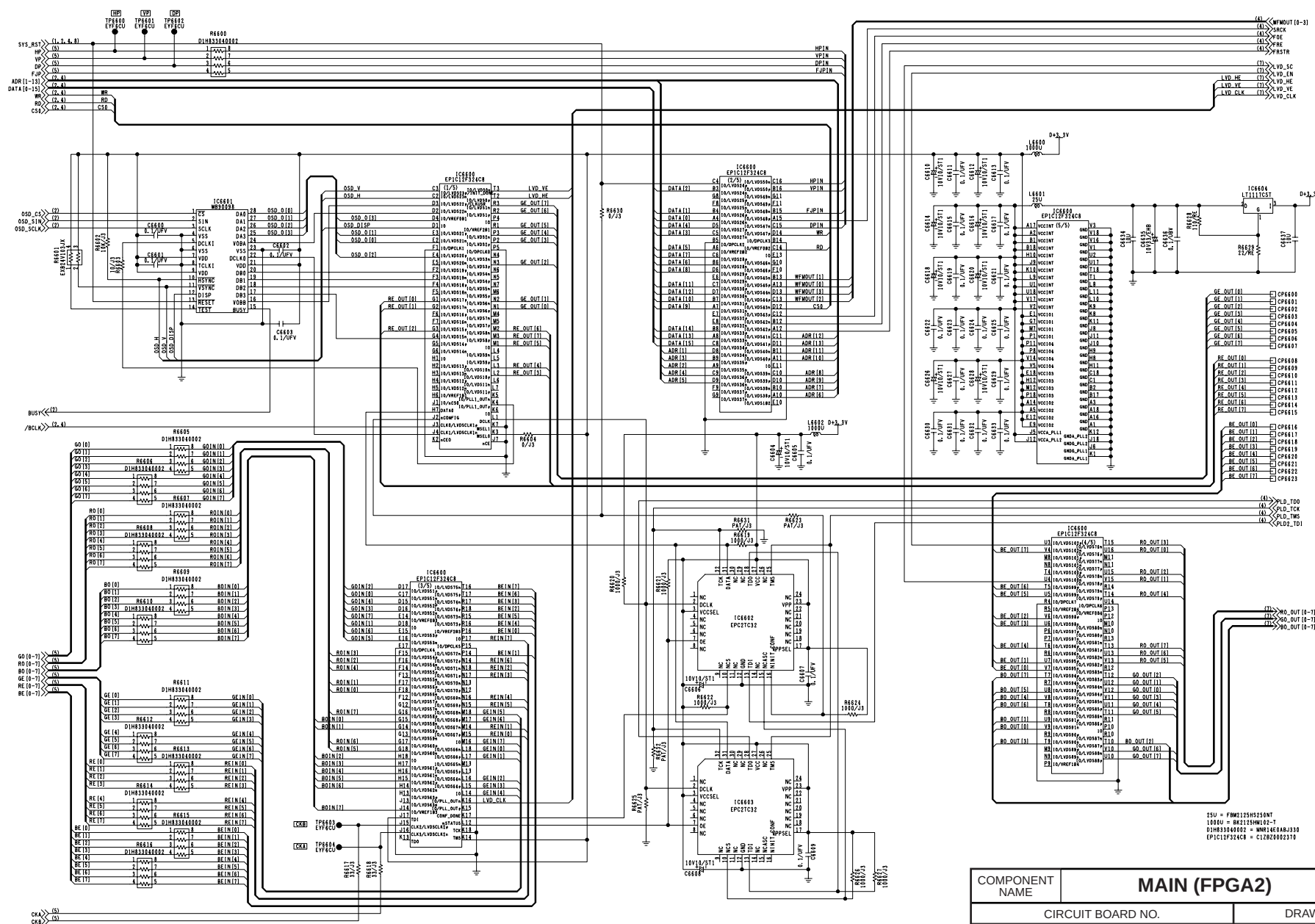




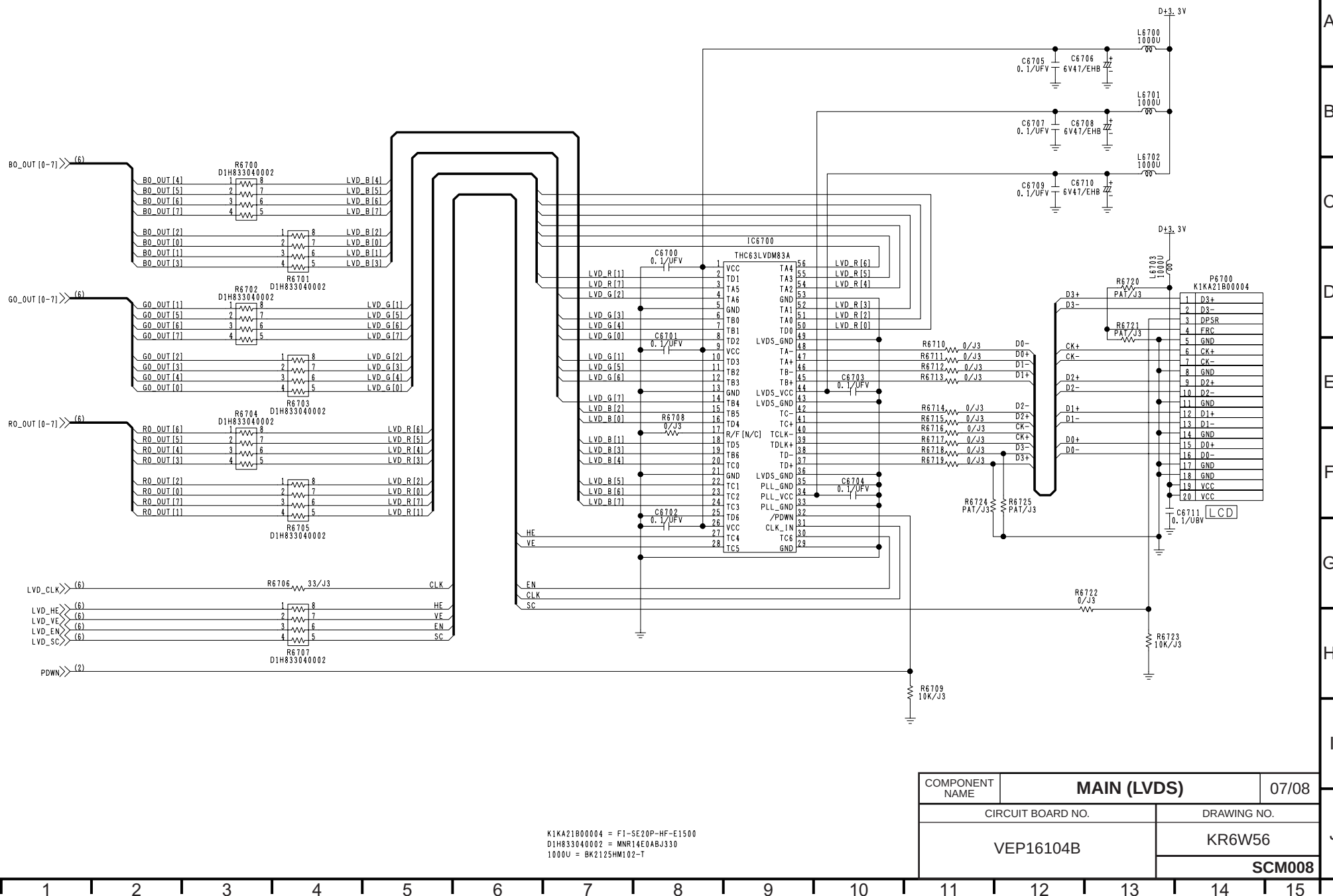
COMPONENT NAME	MAIN (A/D)		03/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP16104B		KR6W56	
		SCM004	





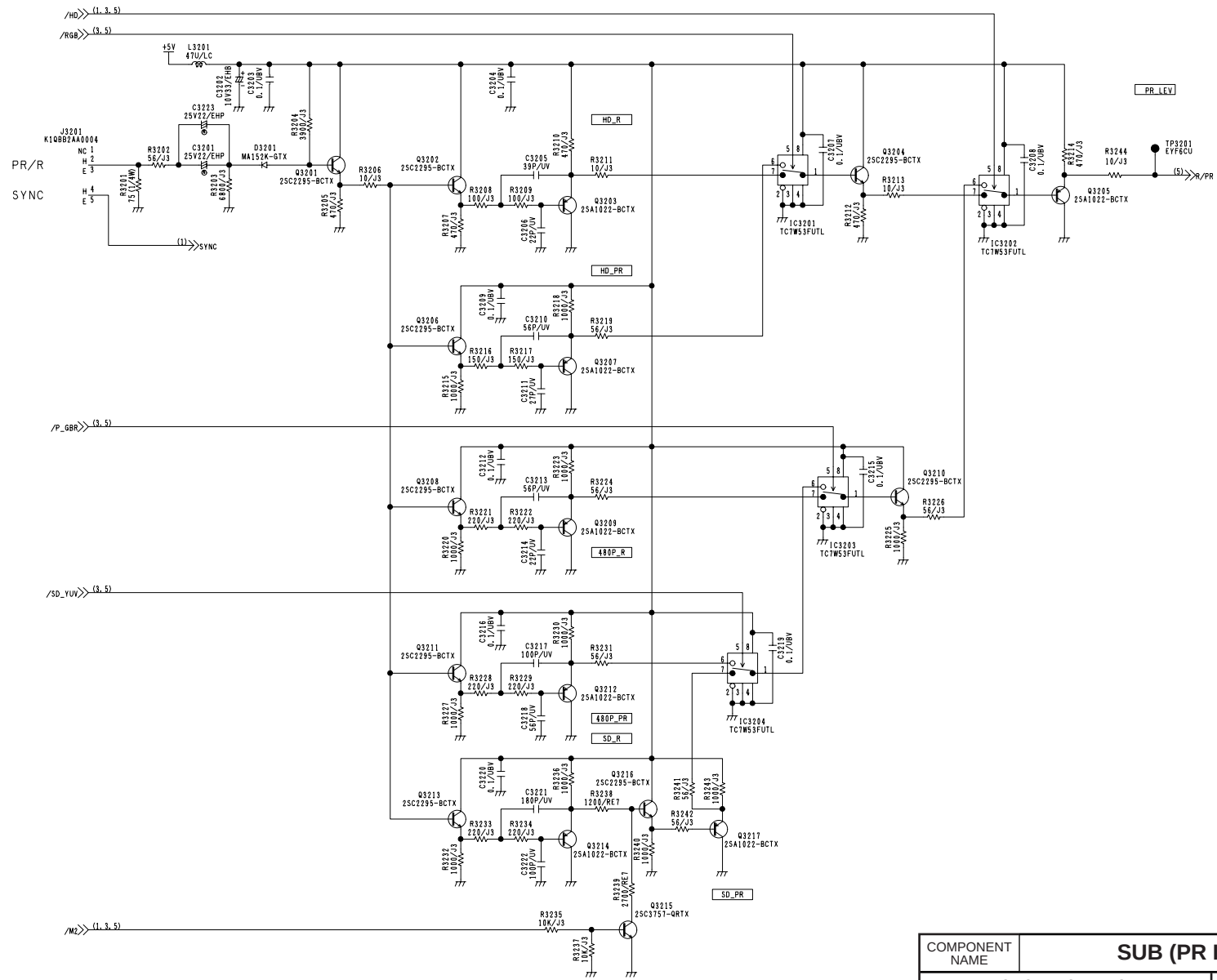


COMPONENT NAME		MAIN (FPGA2)	06/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP16104B		KR6W56	
		SCM007	



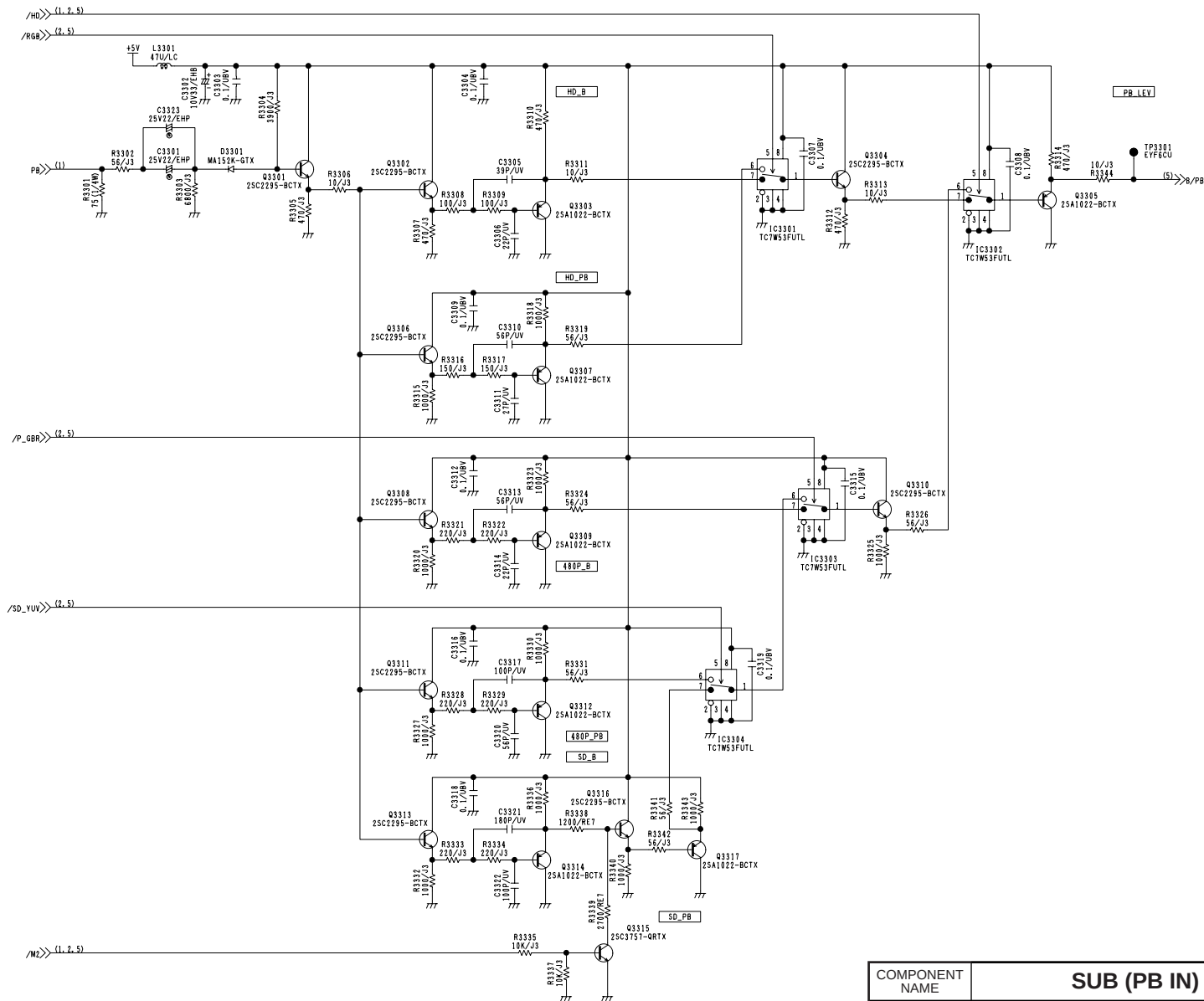
COMPONENT NAME	MAIN (LVDS)		07/08
CIRCUIT BOARD NO.		DRAWING NO.	
VEP16104B		KR6W56	
		SCM008	

PR/R

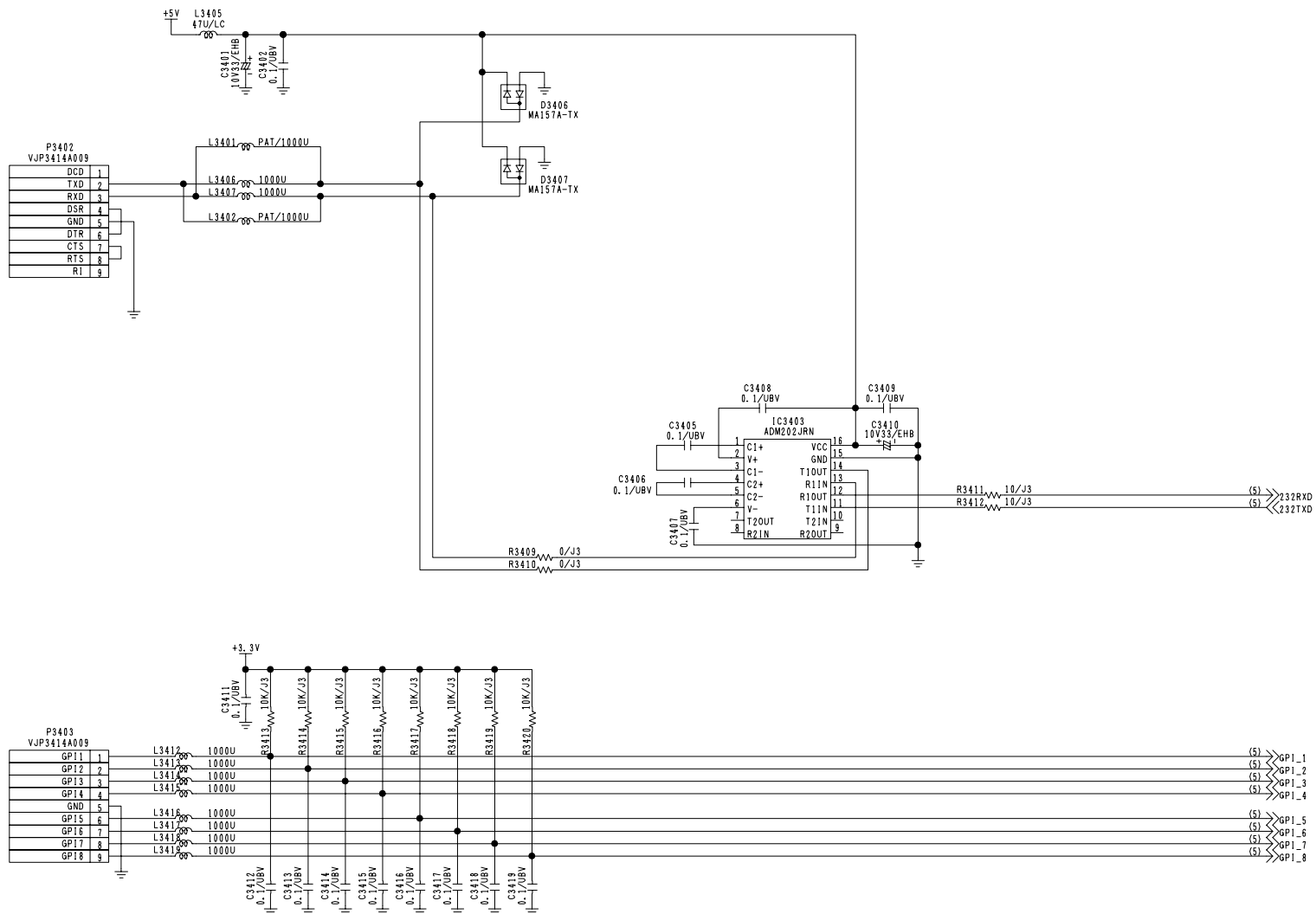


COMPONENT NAME	SUB (PR IN)		02/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP13114A		KR30558	
		SCM011	

PB/B



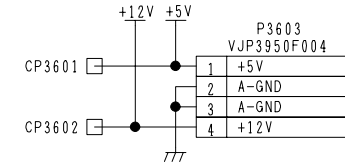
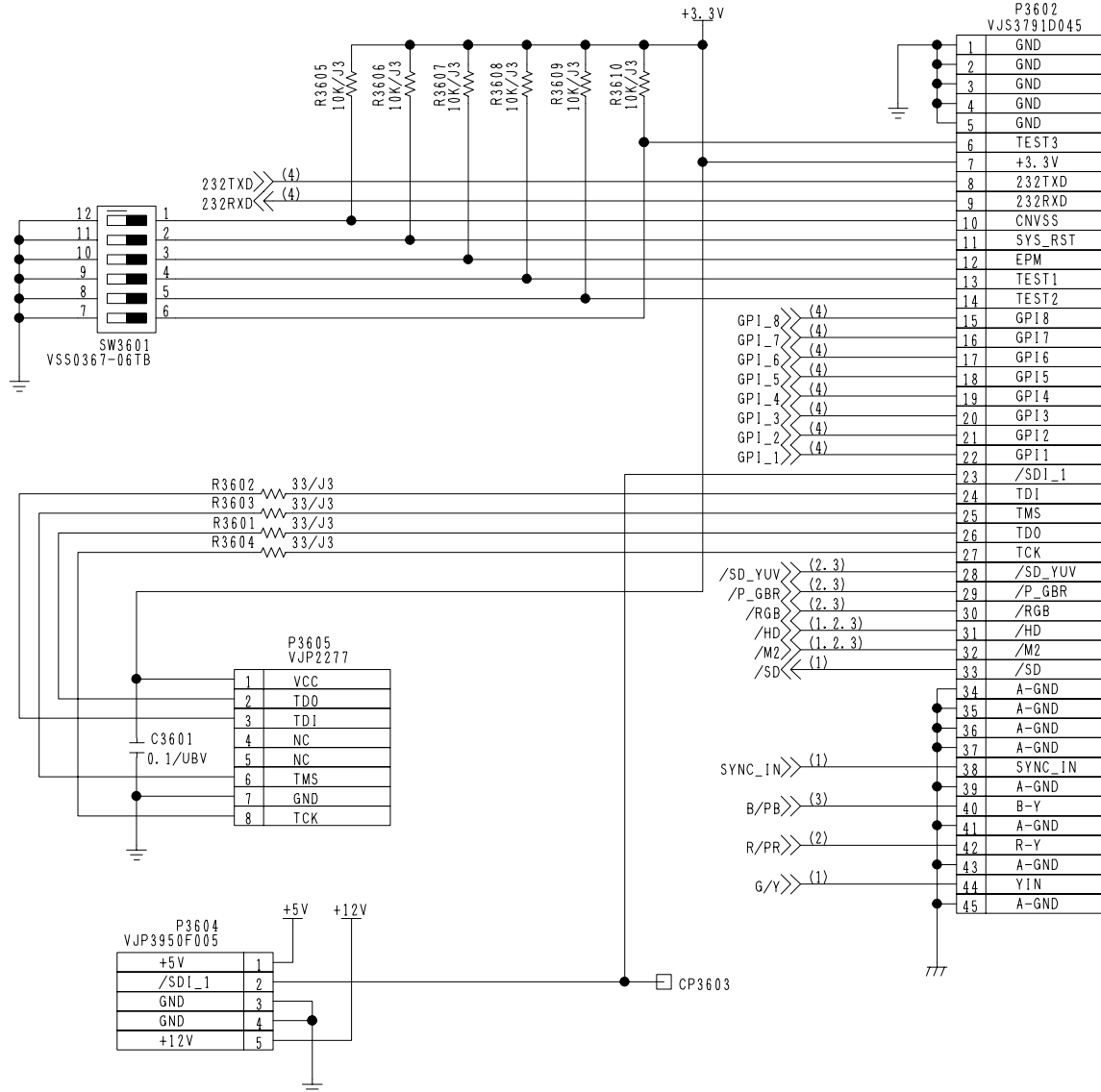
COMPONENT NAME	SUB (PB IN)		03/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP13114A		KR30558	
		SCM012	



COMPONENT NAME	SUB (GPI IN)		04/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP13114A		KR30558	
		SCM013	

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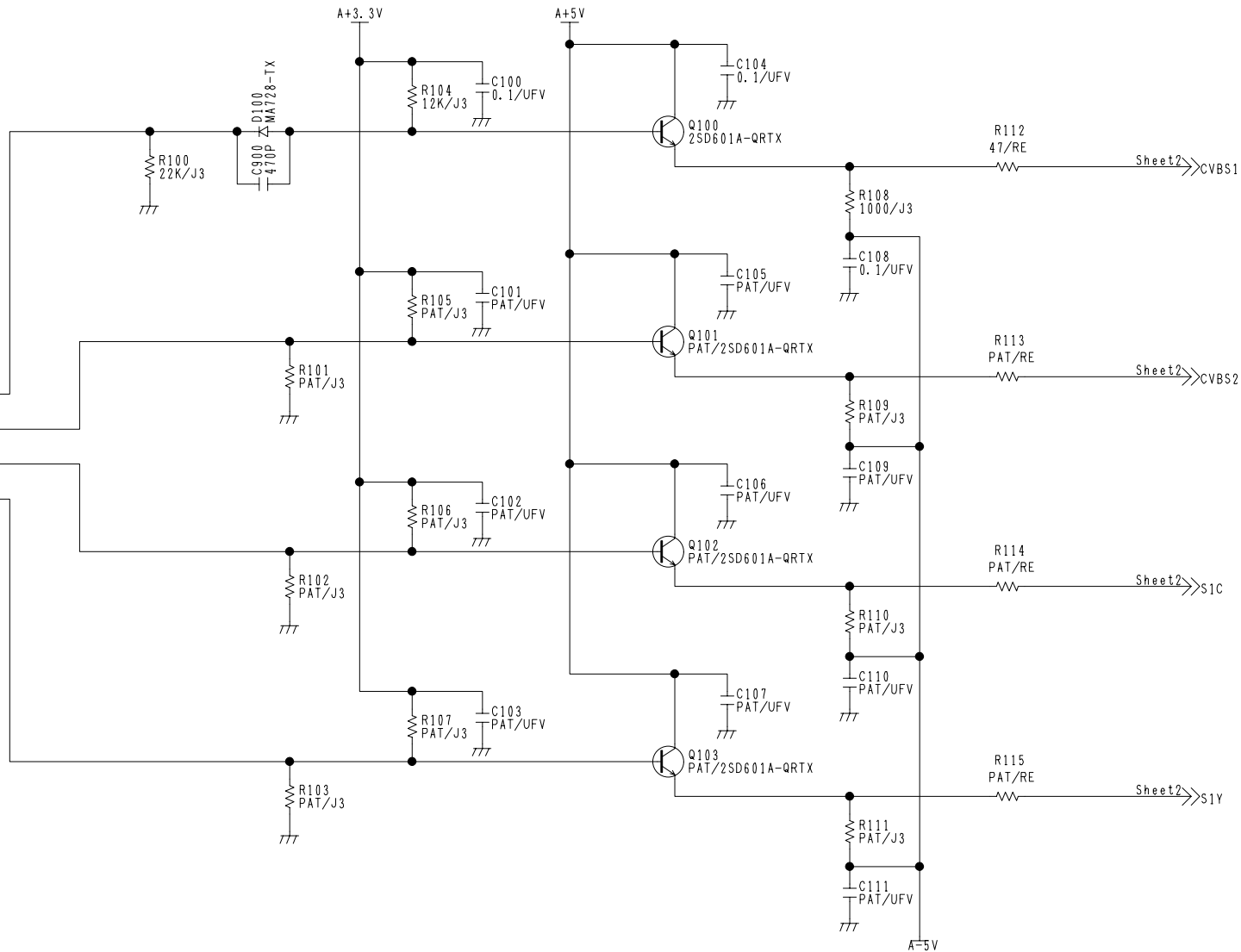
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



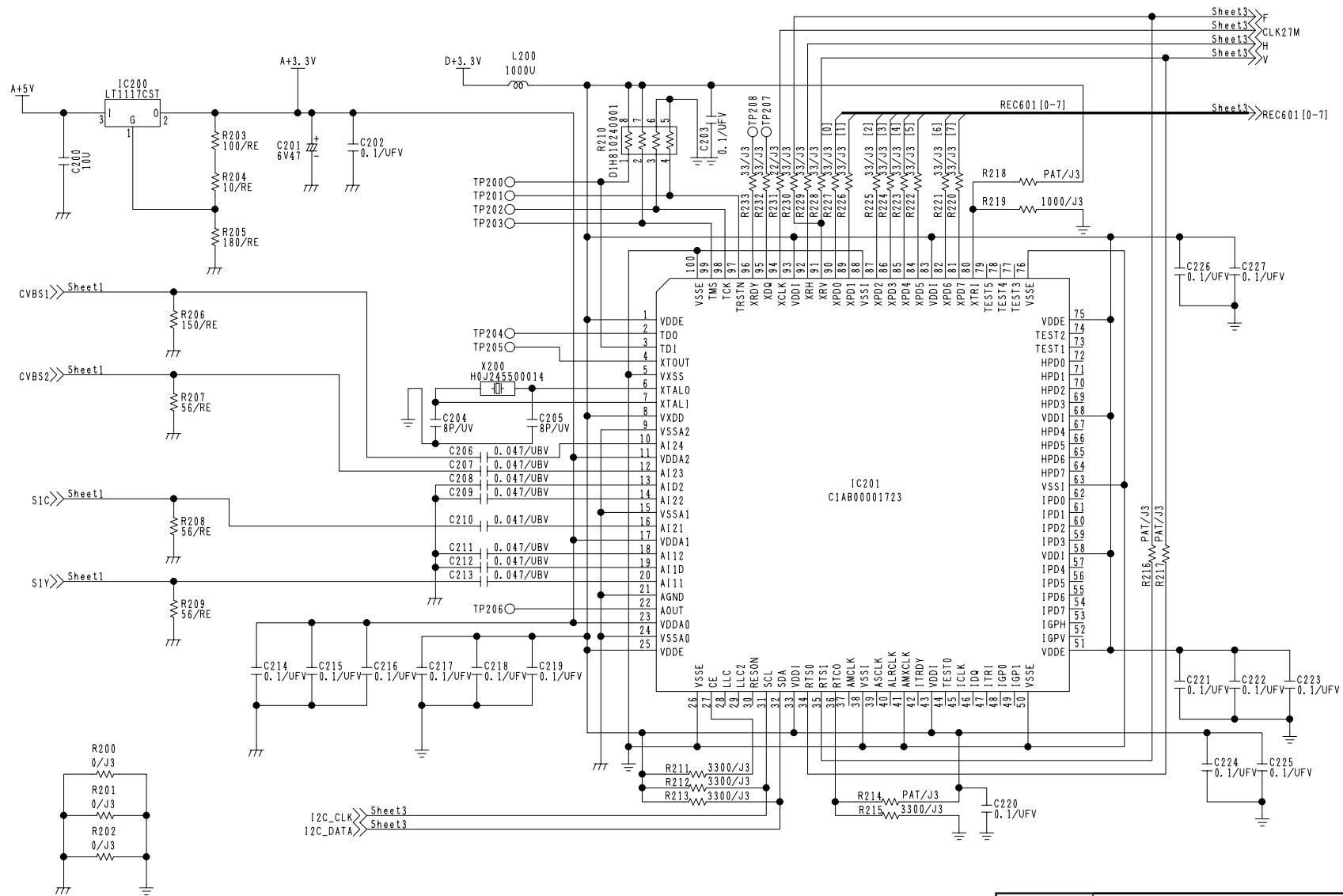
COMPONENT NAME	SUB (CONNECT)	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP13114A		KR30558
		SCM014

P100	
VJP3950F008	
CVBS1_IN	1
A_GND	2
CVBS2_IN	3
A_GND	4
S1C_IN	5
A_GND	6
S1Y_IN	7
A_GND	8

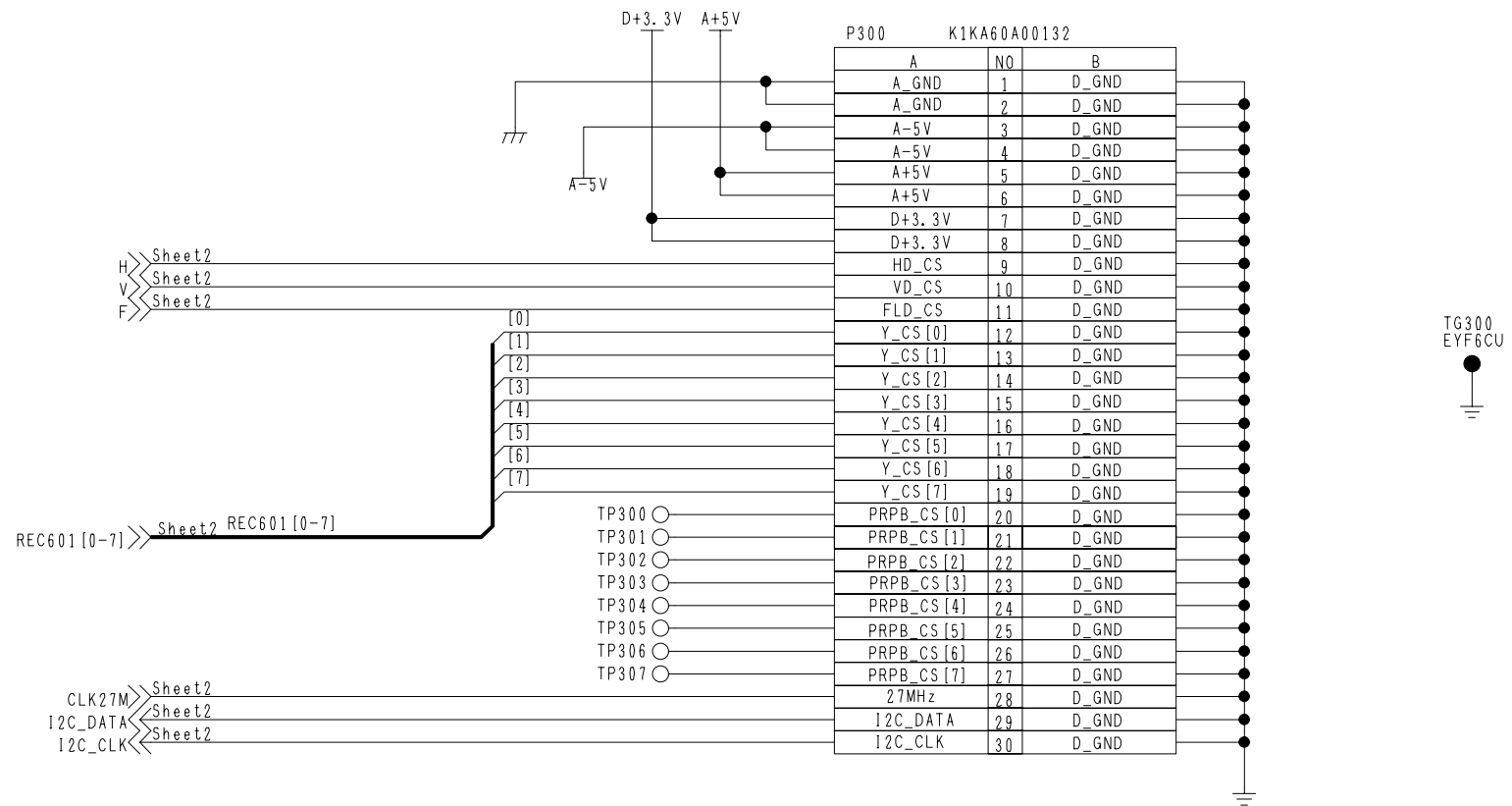
TG100
EYF6CU



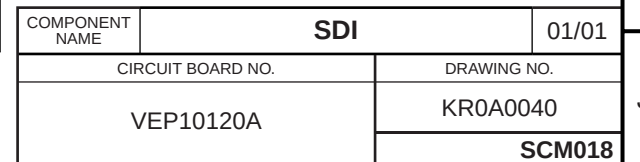
COMPONENT NAME	CVBS DEC	01/03
CIRCUIT BOARD NO.	VEP13115A	DRAWING NO.
		KR3A003
		SCM015

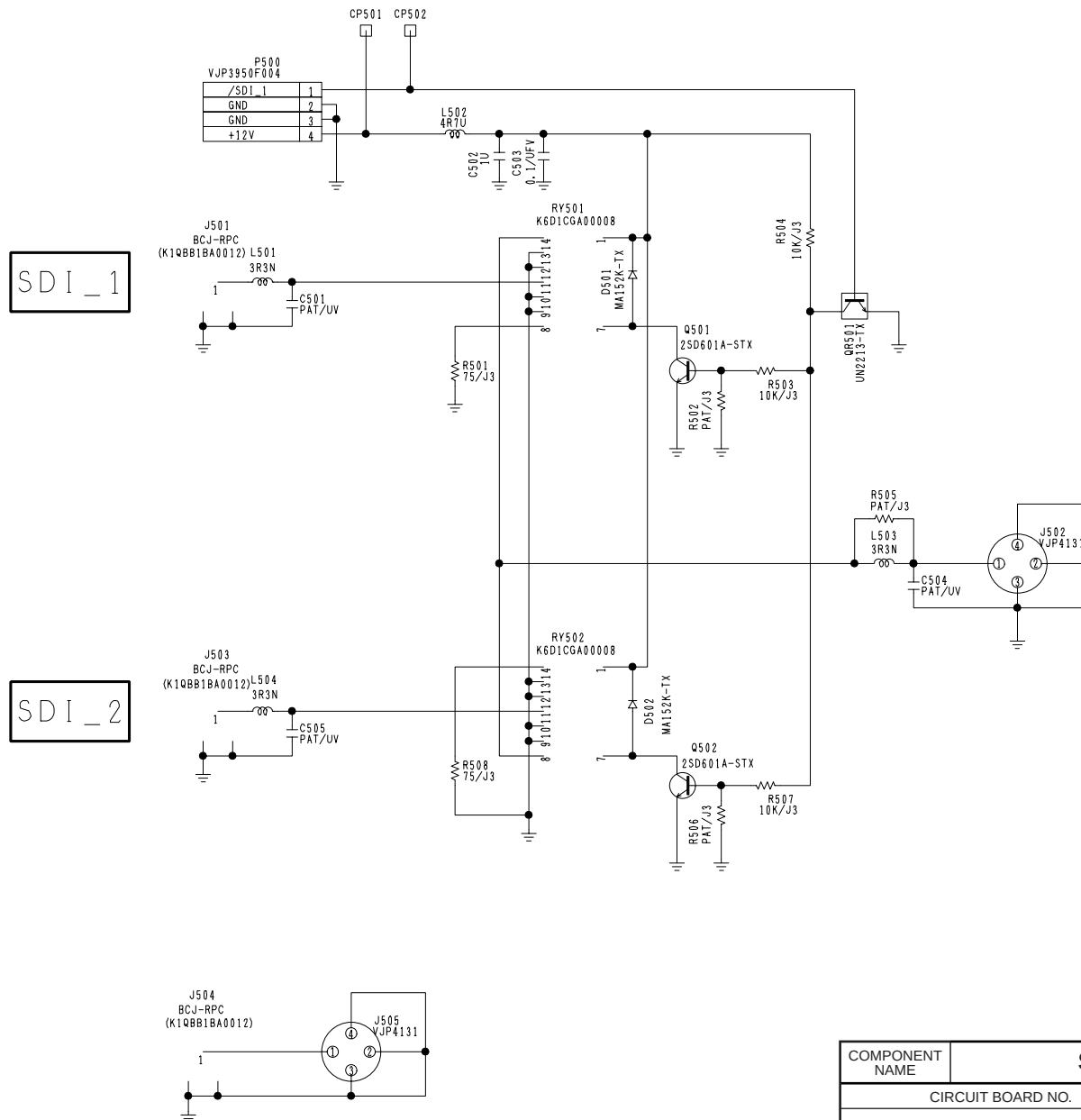


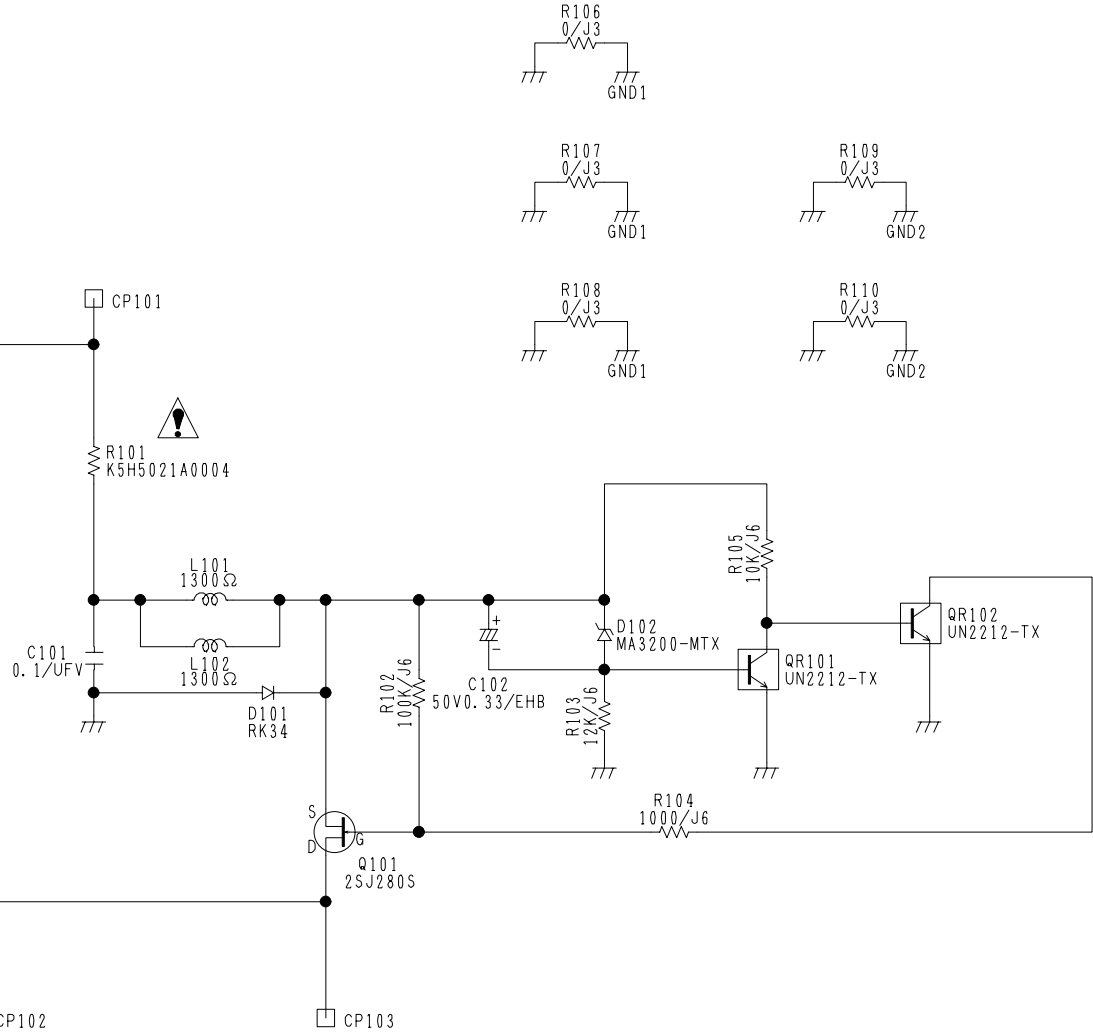
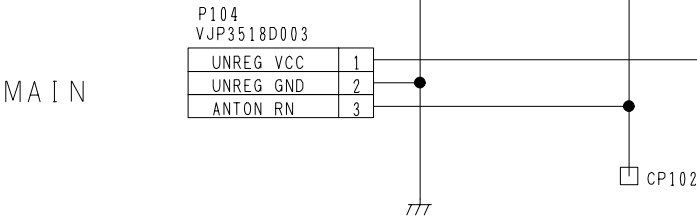
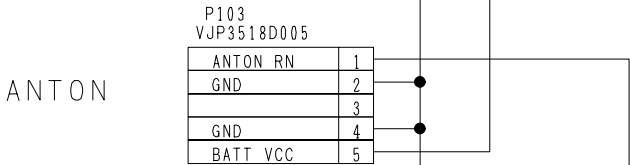
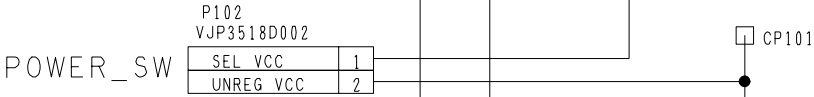
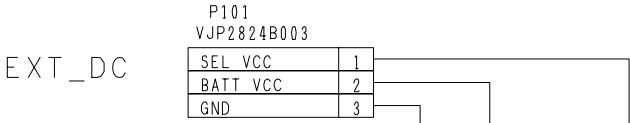
COMPONENT NAME	CVBS DEC		02/03
CIRCUIT BOARD NO.		DRAWING NO.	
VEP13115A		KR3A003	
		SCM016	



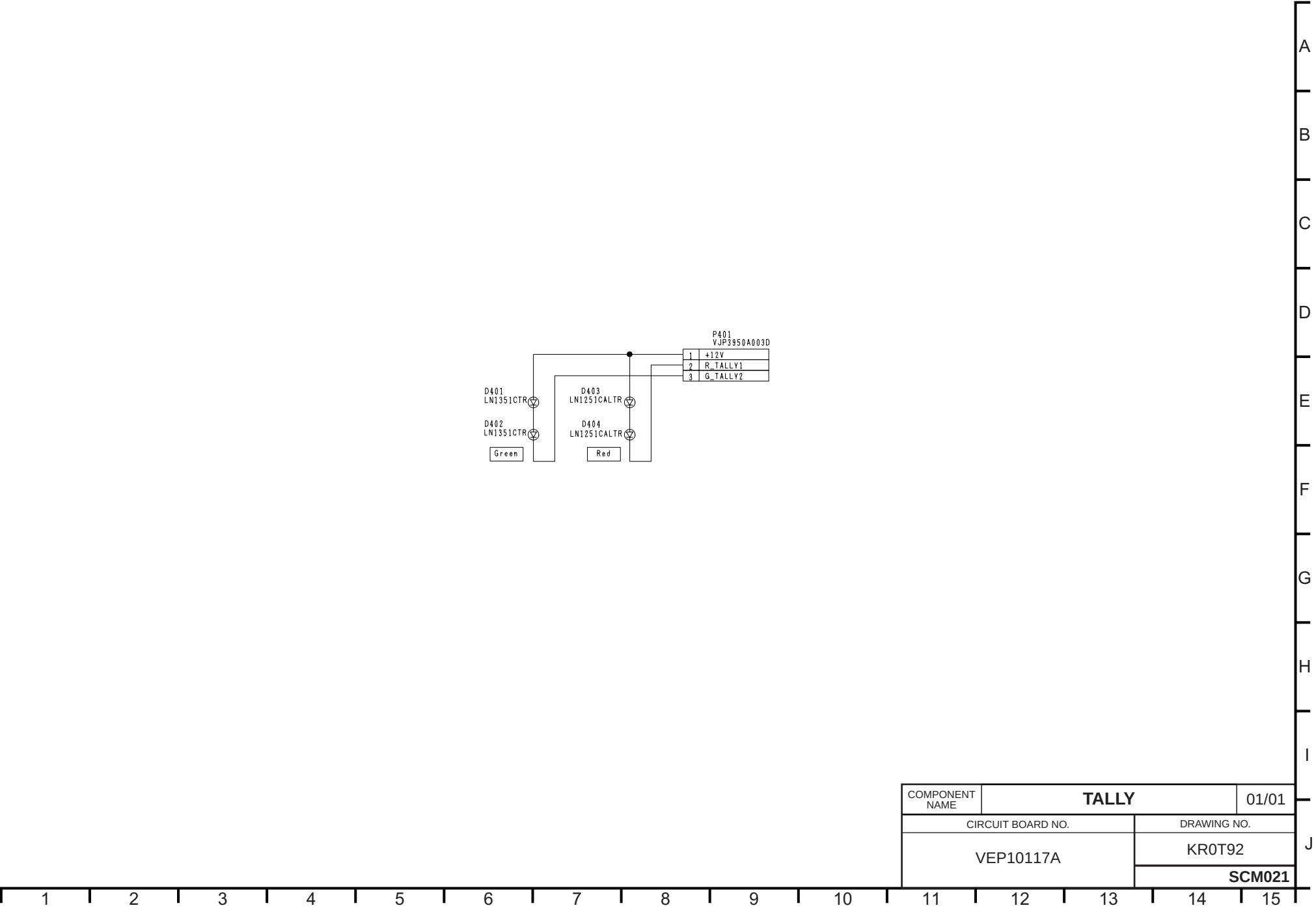
COMPONENT NAME	CVBS DEC		03/03
CIRCUIT BOARD NO.		DRAWING NO.	
VEP13115A		KR3A003	
		SCM017	



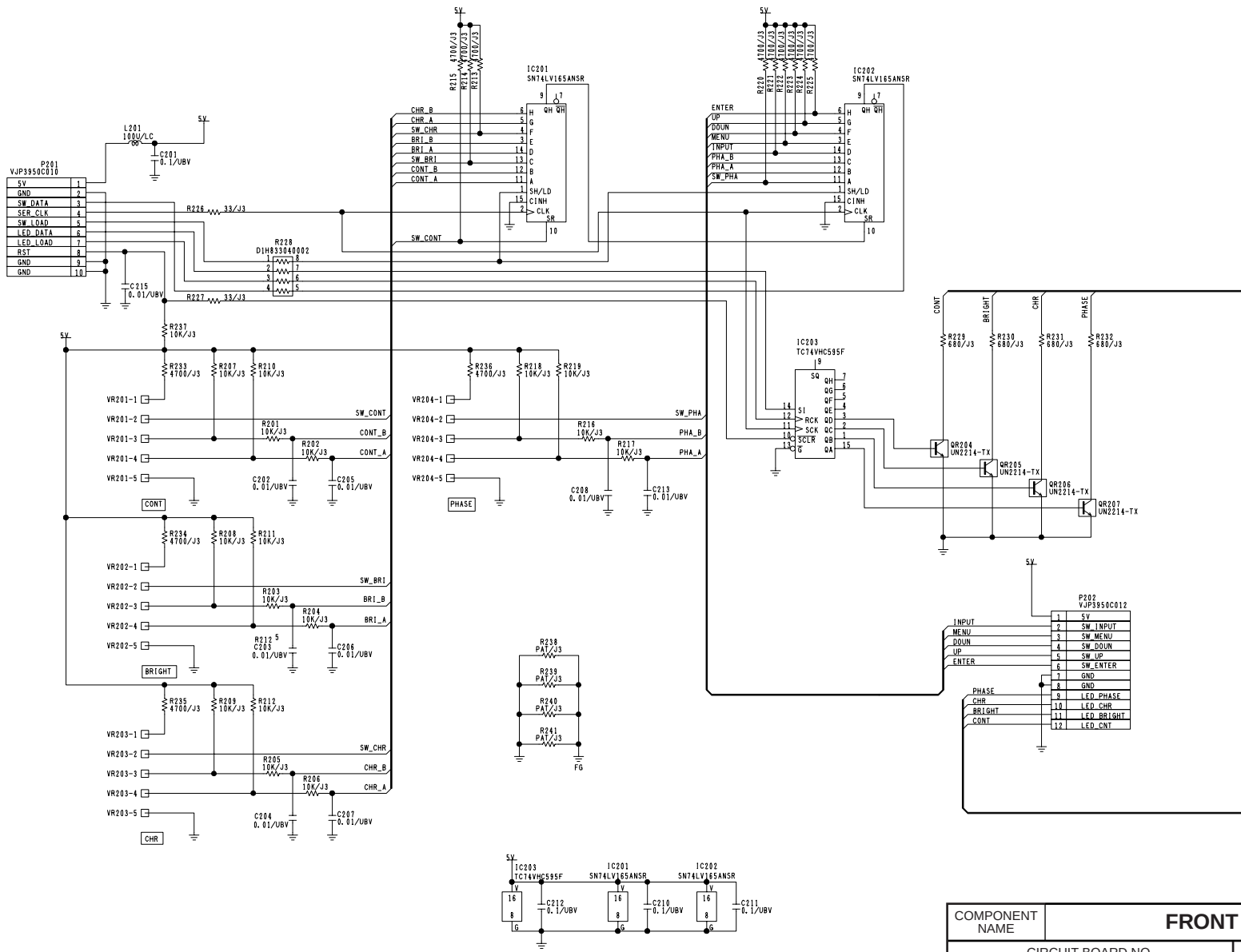




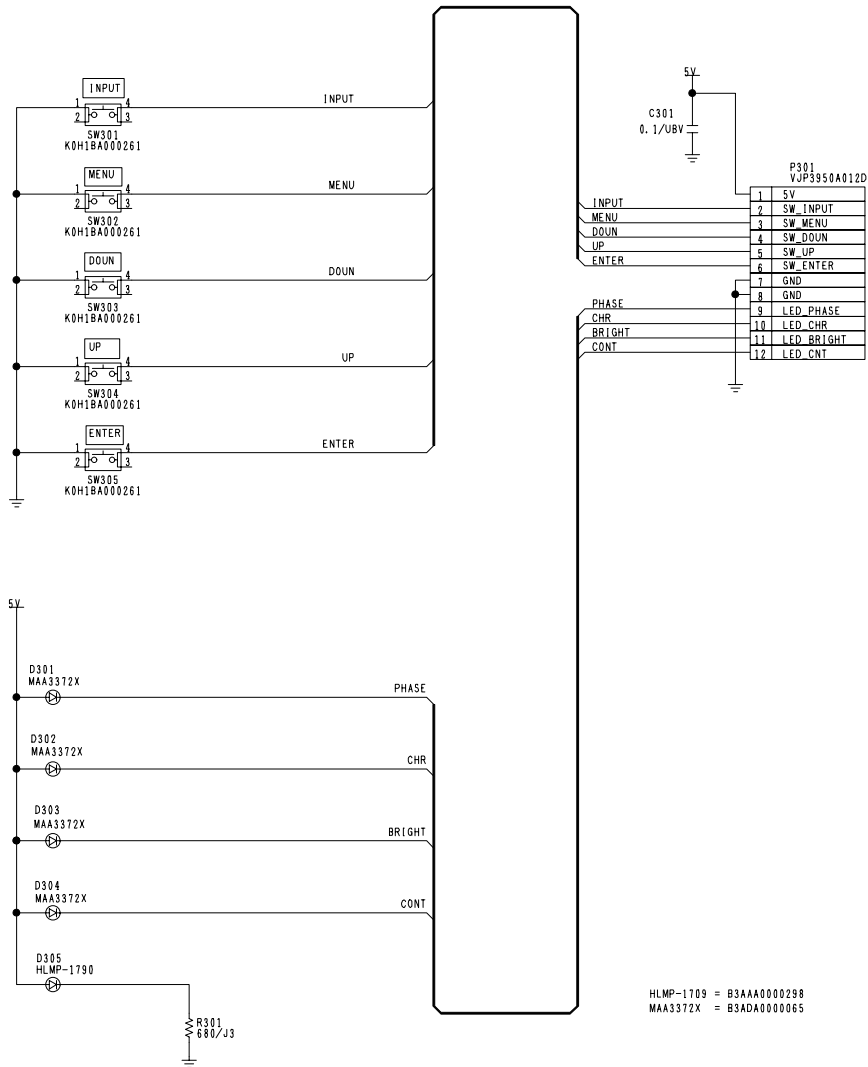
COMPONENT NAME	POWER SUB	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP11110A		KR1G76
		SCM020



COMPONENT NAME	TALLY		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
VEP10117A		KR0T92	
		SCM021	



COMPONENT NAME	FRONT	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP10115B	KR0T90	
	SCM022	



COMPONENT NAME	SW	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP10116A		KR0T91
		SCM023

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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SECTION 5

EXPLODED VIEWS & REPLACEMENT PARTS LISTS

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P= $\mu\mu F$.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.

CONTENTS

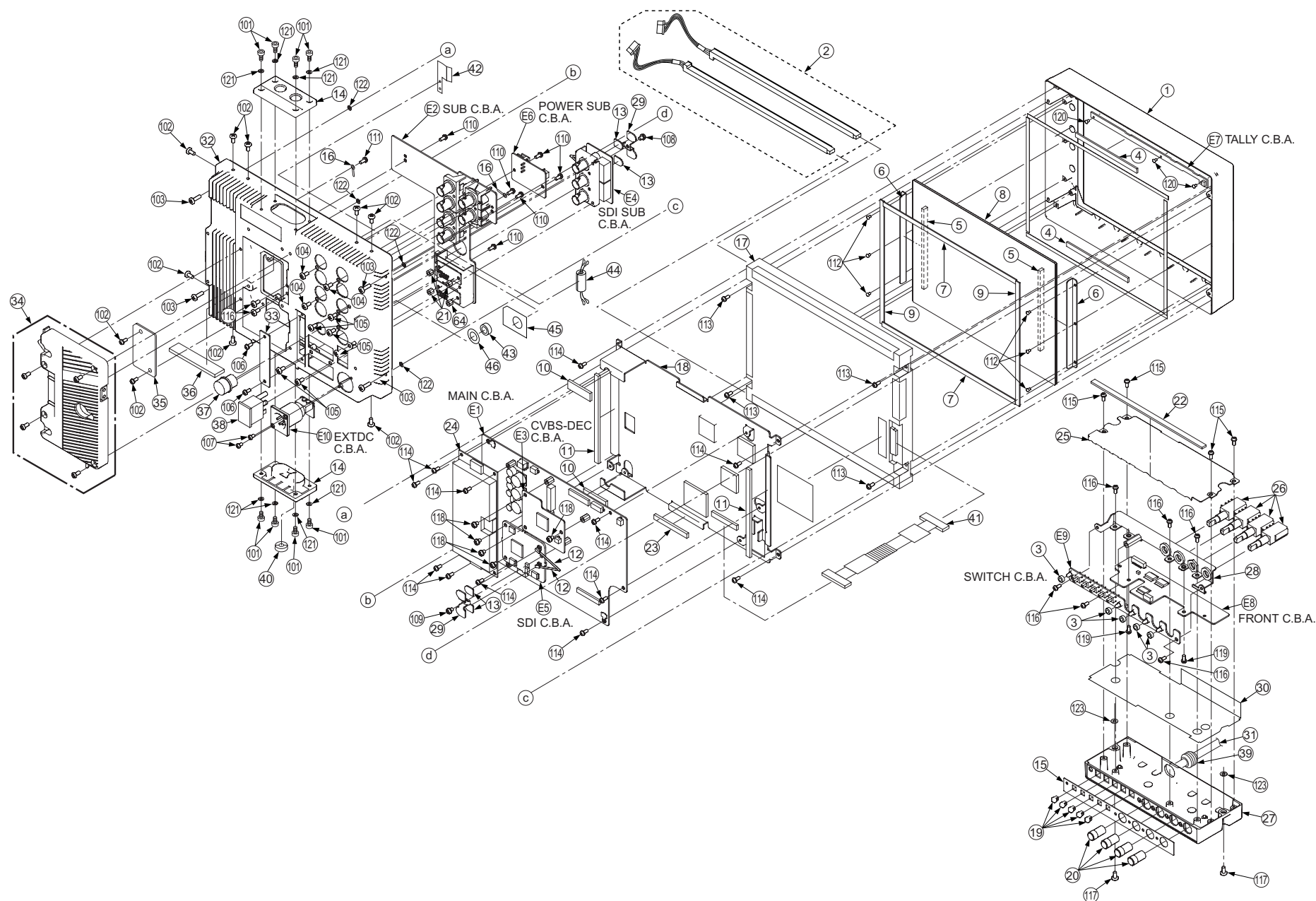
CASING PARTS ASSEMBLY	MPL-1
PACKING PARTS ASSEMBLY	MPL-3
CABLE LIST.....	MPL-4
ELECTRICAL REPLACEMENT PARTS LIST	EPL-1

Components identified with the mark  have the special characteristics for safety.
When replacing any of these components, use only the same type.

CASING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8852	FRONT CASE ASS'Y	1		E1	VEP16104B	MAIN P.C.BOARD	1	
2	84LH503	BACKLIGHT	1		E2	VEP13114A	SUB P.C.BOARD	1	
3	VGf1000	LED COVER	5		E3	VEP13115A	CVBS-DEC P.C.BOARD	1	
4	VMT1543	GASKET B	2		E4	VEP10119A	SDI SUB P.C.BOARD	1	
5	VMT1542	GASKET A	2		E5	VEP10120A	SDI P.C.BOARD	1	
6	VMP7859	FRONT ANGLE	2		E6	VEP11110A	POWER SUB P.C.BOARD	1	
7	VMT1520	PROTECT PANEL SPONGE (B)	2		E7	VEP10117A	TALLY P.C.BOARD	1	
8	VGQ7597	PROTECT PANEL	1		E8	VEP10115B	FRONT P.C.BOARD	1	
9	VMT1509	PROTECT PANEL SPONGE (A)	2		E9	VEP10116A	SW P.C.BOARD	1	
10	VMG1599	HEATING SHEET (F)	2		E10	VEP80C71B	EXT DC P.C.BOARD	1	
11	VMG1596	HEATING SHEET (C)	2						
12-1	VEE0E13200	SDI COAXIAL CABLE	1						
12-2	VEE0E48200	SDI COAXIAL CABLE	1						
13	VMT1435	CONNECTOR CUSHION	2						
14	VGQ7598	TRIPOD FIX BLOCK	2						
15	VGh4726	SW BOX NAME PLATE	1						
16	SHR330	CLAMPER	2						
17	L5BZD2Q00001	LCD PANEL	1						
18	VMP7842	MAIN P.C.B BASE	1						
19	VGU7459	TACT SW KNOB	5						
20	VGU9566	ROTARY KNOB	4						
21	K1YE25000007	SCREW	4						
22	VMT1510	SW BOX COVER CUSHION	1						
23	VMG1598	HEATING SHEET (E)	1						
24	N0DE2GD000001	INVERTER ASS'Y	1						
25	VGf0992	SW BOX COVER	1						
26	VEP10121A	VR FLEX. P.C.BOARD	4						
27	VGM2069	SW BOX	1						
28	VMP7846	VR FIX. ANGLE	1						
29	VMP7845	SDI HOLD ANGLE	1						
30	VMZ3400	INSULATION SHEET (BOTTOM)	1						
31	VWJ1703	OPERATION SECTION CABLE	1						
32	VGM2068	BACK CASE	1						
33	VGf0991	MAINTENANCE COVER	1						
 34	VJF1347	BATTERY HOLDER	1						
35	VGf0709	BACK CASE COVER	1						
36	VGf0997	BATTERY CABLE HOLDER	1						
37	VEE0Z60	CONTROL CABLE	1						
38	VEE0Y89	POWER SW CABLE	1						
39	VMX0998	CORD BUSH	1						
40	VHN0361	SCREW SPACER	1						
41	VEE0Y94	CABLE	1						
42	VMP8043	CORE ANGLE	1						
43	J0KE000000083	FERRITE CORE	1						
44	J0KE000000084	FERRITE CORE	1						
45	VMZ3454	SHEET	1						
46	VMT1562	CUSHION	1						
101	XVE26A6FP	SCREW	8						
102	XSB3+6FZ	SCREW	10						
103	XSB3+10FZ	SCREW	4						
104	XTB3+10GFZ	SCREW	3						
105	XTB3+6FFZ	SCREW	6						
106	XSB26+4FZ	SCREW	2						
107	XSN26+6FC	SCREW	2						
108,09	XYN3+K6	SCREW	2						
110	XYN26+K5	SCREW	6						
111	XYN3+K4	SCREW	1						
112	XQN2+A3	SCREW	6						
113	XSB26+8FZ	SCREW	4						
114	XYN26+K5	SCREW	12						
115	XSB26+6FZ	SCREW	4						
116	XYN26+K5	SCREW	8						
117	XSB3+8FZ	SCREW	2						
118	XYN3+J5	SCREW	5						
119	XSB26+5	SCREW	2						
120	XQN2+A3	SCREW	3						
121	XWA26BFZ	WASHER	8						
122,23	VMX3348	WASHER	3						

CASING PARTS ASSEMBLY



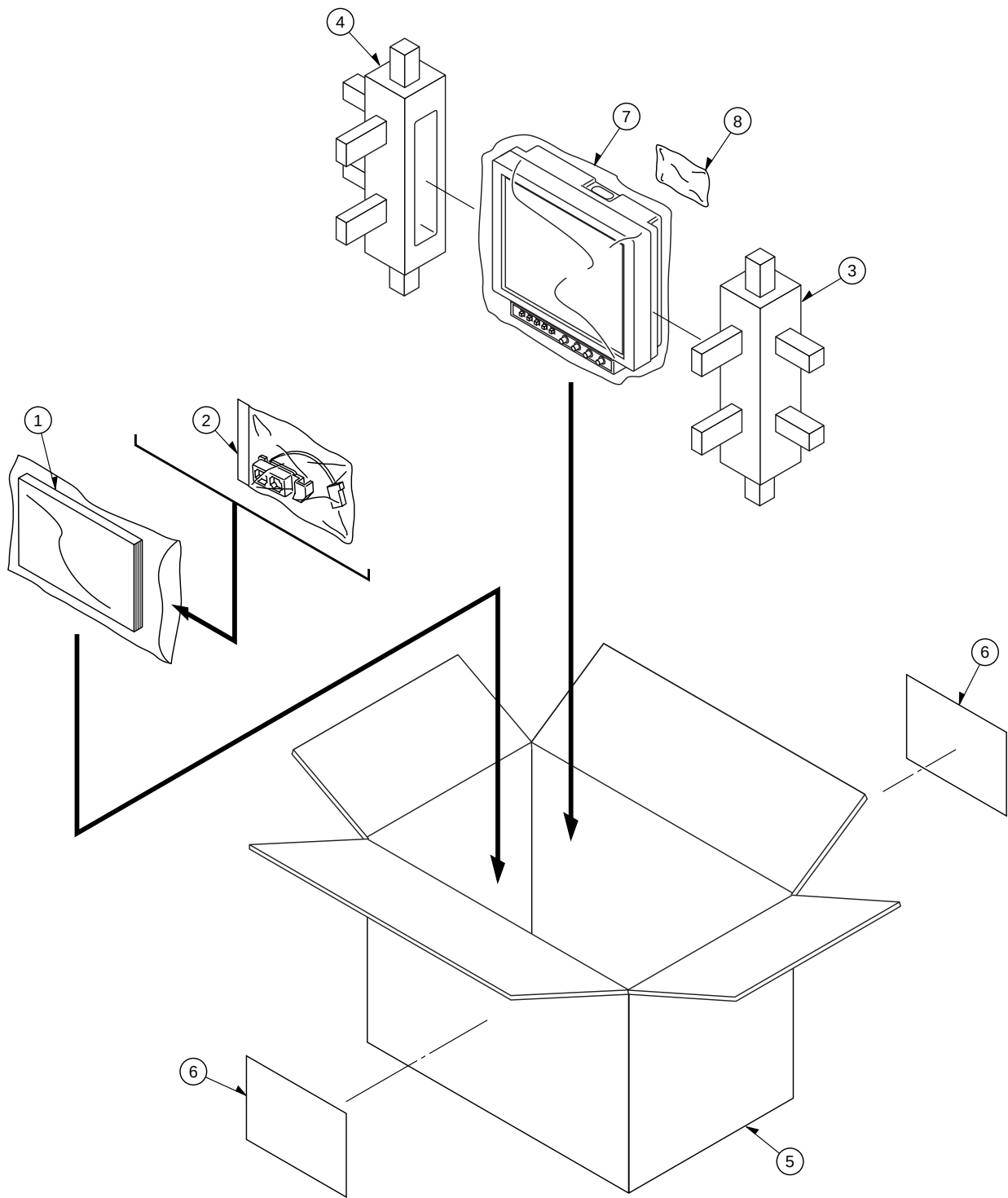
MPL-2

Components identified with the mark  have the special characteristics for safety.
When replacing any of these components, use only the same type.

PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
 1	VQT0G65	OPERATING INSTRUCTIONS	1						
2	VEJ1672	BATTERY ADAPTOR ASS'Y	1						
3	VPN6082	CUSHION (L)	1						
4	VPN6083	CUSHION (R)	1						
5	VP60V15	PACKING CASE	1						
6	VQL0A24	PACKING LABEL	2						
7	VPF0672	DECK PROTECT BAG	1						
8	VPN2745	PROTECT MAT	1						

PACKING PARTS ASSEMBLY



CABLE LIST

No.	Parts No.	CONNECTION BETWEEN			
		P.C.B. Name	Connector No.	P.C.B. Name	Connector No.
1	VEE0E13260	SDI	J1	SDI SUB	J502
1	VEE0E48260	SDI	J2	SDI SUB	J505
2	VEE0Y85	MAIN	P6101	TQLL Y	P401
3	VEE0Y86	SDI	P500	SUB	P3604
4	VEE0Y87	MAIN	P6120	SUB	P3603
5	VEE0Y88	MAIN	P6800	POWER SUB	P104
6	VEE0Y89	POWER SUB	P102	POWER SW	---
7	VEE0Y90	POWER SUB	P101	DC IN	---
8	VEE0Y91	POWER SUB	P103	A NTON BATT	---
9	VEE0Y92	MAIN	P6801	INVERTER	---
10	VEE0Y93	SUB	P3101	CVBS DEC	P100
11	VEE0Z60	MAIN	P6700	LCD PANEL	---
12	VEE0Y95	MAIN	P6103	FRONT	---
13	VEE0Z22	FRONT	P202	SW	P301
14	VEK0G61	MAIN	P6106	SUB	P3602
15	VWJ1703	FRONT	P201	CONTROL	---

NOTE : The drawing of the cable refer to the OVERALL SCHEMATIC DIAGRAM (SCM-1)

ELECTRICAL REPLACEMENT PARTS LIST

EPL-1

Components identified with the mark  have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	
C6636	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1		FL6300, 01	F1J1A105A013	C.CAPACITOR CH 10V 1U	2		
C6637	ECUX1C106VBP	C. CAPACITOR CH 16V 10U	1		FL6800	F1J1A105A013	C. CAPACITOR CH 10V 1U	1		
C6700-05	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	6							
C6706	EEVHB0J470	E. CAPACITOR 6.3V 47U	1		IC6100	TLCX04F	IC	1		
C6707	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1		IC6101	C0JBAZ0000851	IC	1		
C6708	EEVHB0J470	E. CAPACITOR 6.3V 47U	1		IC6102-04	C0JBAF000315	IC	3		
C6709	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1		IC6105	C0JBAA000014	IC	1		
C6710	EEVHB0J470	E. CAPACITOR 6.3V 47U	1		IC6106	C0JBAA000099	IC	1		
C6800-02	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	3		IC6200	C2CBKJ000078	IC	1		
C6803	ECUX1H102JCV	C. CAPACITOR CH 50V 1000P	1		IC6201	C3BBHG000070	IC	1		
C6804	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1		IC6202	M51957BFP	IC	1	C0EBH0000062	
C6806	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1		IC6203	C3EBJC000038	IC	1		
C6807	ECST1CY475	T. CAPACITOR CH 16V 4.7U	1		IC6204	C0JBAA000099	IC	1		
C6808	ECUX1C224ZJV	C. CAPACITOR CH 16V 0.22U	1		IC6205	C0JBAE000087	IC	1		
C6809	VCEA1DSP470	E. CAPACITOR 20V 47U	1		IC6206	TC7W08FU	IC	1		
C6810, 11	ECST0JD157Z	E. CAPACITOR CH6.3V 150U	2		IC6300	C0FBAD000068	IC	1		
C6812, 13	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	2		IC6301	LT1117CST	IC	1		
C6814	ECST0JD157Z	E. CAPACITOR CH6.3V 150U	1		IC6302	YWNJM2246M	IC	1	C1AB00000413	
C6815-17	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	3		IC6304	GS4981-C	IC	1		
C6818	ECUX1H102JCV	C. CAPACITOR CH 50V 1000P	1		IC6305	TLCX00FT	IC	1		
C6819	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1		IC6400	C1ZBZ0002372	IC	1		
C6821	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1		IC6401	C3HBKZ000001	IC	1		
C6822	ECST1CY475	T. CAPACITOR CH 16V 4.7U	1		IC6402	TVHT541FT	IC	1		
C6823	ECUX1C224ZJV	C. CAPACITOR CH 16V 0.22U	1		IC6403	C1ZBZ0001555	IC	1		
C6824	VCEA1DSP470	E. CAPACITOR 20V 47U	1		IC6404	LT1117CST	IC	1		
C6825	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1		IC6405	C0JBAA000146	IC	1		
C6826	VCEA1ASP101	E. CAPACITOR 10V 100U	1		IC6500	MN845041-A	IC	1		
C6827	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1		IC6501	C3ABQJ000022	IC	1		
C6828	EEFCD1B220R	E. CAPACITOR 12.5V 22U	1		IC6502	LT1117CST	IC	1		
C6829, 30	ECST1CX106Z	T. CAPACITOR CH 16V 10U	2		IC6503	TLC29331PW	IC	1	C0ABFA000012	
C6831-33	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	3		IC6600	C1ZBZ0002370	IC	1		
C6834	ECUX1H102JCV	C. CAPACITOR CH 50V 1000P	1		IC6601	C1AB00001896	IC	1		
C6835	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1		IC6602, 03	C1ZBZ0001555	IC	2		
C6837	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1		IC6604	LT1117CST	IC	1		
C6838	ECST1CY475	T. CAPACITOR CH 16V 4.7U	1		IC6700	C0JBCZ000485	IC	1		
C6839	ECUX1C224ZJV	C. CAPACITOR CH 16V 0.22U	1		IC6800	TC4W53FU	IC	1		
C6840	VCEA1DSP470	E. CAPACITOR 20V 47U	1		IC6801	C0DBCFB00001	IC	1		
C6841	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1		IC6802	TC4W53FU	IC	1		
C6842	VCEA1ASP101	E. CAPACITOR 10V 100U	1		IC6803	C0DBCFB00001	IC	1		
C6843	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1		IC6804	C0DBZZ000047	IC	1		
C6844	EEFCD0J470R	E. CAPACITOR 6.3V 47U	1		IC6805	TC4W53FU	IC	1		
C6845, 46	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	2		IC6806	C0DBCFB00001	IC	1		
C6847	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1		IC6807	C0DBZGH00001	IC	1	C0CBADC00010	
C6848	EEVHB1V100	E. CAPACITOR 35V 10U	1		IC6808	C0JBAZ0000525	IC	1		
C6849	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1		IC6809	C0JBAA000099	IC	1		
C6850	ECST1VY105Z	T. CAPACITOR CH 35V 1U	1		IC6810-13	C0BBBA000044	IC	4		
C6851	ECST1AY685R	T. CAPACITOR CH 10V 6.8U	1		IC6814	LM4040CIX2.5	IC	1	C0DBZFA00003	
C6852-55	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	4		IC6815	C0DBEZH00007	IC	1		
C6856	F1H1H104A783	C. CAPACITOR CH 50V 0.1U	1		IC6816	C0BBBA000044	IC	1		
C6857	VCEA1DSP470	E. CAPACITOR 20V 47U	1		IC6817	C0ABBA000075	IC	1		
C6858	ECJ1VB1H103K	C. CAPACITOR CH 50V 0.01U	1		IC6818	TC7W74FU	IC	1		
C6859	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	1							
C6860	F2D1C1010003	E. CAPACITOR 20V 22U	1		ID10	VVVS14112B	SOFTWARE	1	DOWNLOAD ONLY	
C6861	EEUFC1C471L	E. CAPACITOR 16V 470U	1		ID6200	VVVS14111C	SOFTWARE	1	DOWNLOAD ONLY	
C6862	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1							
C6863, 64	ECJ1VF1E104Z	C. CAPACITOR CH 25V 0.1U	2		L6100-05	J0JBC0000041	FILTER	6		
C6867	ECUX1E105KBM	C. CAPACITOR CH 25V 1U	1		L6106-08	J0JKC0000009	FILTER	3		
					L6200, 01	J0JBC0000041	FILTER	2		
D6100	MA3J14300L	DIODE	1		L6300, 01	J0JBC0000041	FILTER	2		
D6200	LN1351C	DIODE	1		L6302	VLQ0319K470	COIL	47UH	1	G1C470K00013
D6201	MA3J14300L	DIODE	1		L6400	J0JBC0000041	FILTER	1		
D6800	MA142WK	DIODE	1		L6401, 02	J0JKC0000009	FILTER	2		
D6801	MA2Q73800L	DIODE	1		L6403	J0JBC0000041	FILTER	1		
D6802	MA142WK	DIODE	1		L6500, 01	J0JKC0000009	FILTER	2		
D6803	MA2Q73800L	DIODE	1		L6600, 01	J0JKC0000009	FILTER	2		
D6804	MA142WK	DIODE	1		L6602	J0JBC0000041	FILTER	1		
D6805	MA2Q73800L	DIODE	1		L6700-03	J0JBC0000041	FILTER	4		
D6806	MA142WK	DIODE	1		L6800, 01	J0JKC0000009	FILTER	2		
D6807	MA3J14300L	DIODE	1		L6802	VLQ0859M330	COIL	33UH	1	
D6808, 09	MA142WK	DIODE	2		L6803	VLQ0916N5R3	COIL	5.3UH	1	
D6810	SFPB-76V	DIODE	1		L6804	J0JKC0000009	FILTER	1		
D6811, 12	MA2Q73800L	DIODE	2		L6805	VLQ0859M150	COIL	15UH	1	
D6815	MA165	DIODE	1	MA2C165	L6806	VLQ0916N5R3	COIL	5.3UH	1	
					L6807	VLQ0859M150	COIL	15UH	1	
FL6100-02	F1J1A105A013	C. CAPACITOR CH 10V 1U	3		L6808	VLQ0916N5R3	COIL	5.3UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L6809	J0JKC0000009	FILTER	1		R6239	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
L6810	VLQ0859M330	COIL 33UH	1		R6240	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
L6812	J0JBC00000041	FILTER	1		R6241	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
L6813	J0JKC0000009	FILTER	1		R6242,43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
P6100	K1KB0A00106	CONNECTOR (FEMALE)	1		R6244	EXB24V103J	COMBI. R-R 10K	1	
P6101	VJP3950F003	CONNECTOR	1		R6245	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
P6102	VJP3950F004	CONNECTOR	1		R6300-02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
P6103	VJP3950F010	CONNECTOR (MALE)	1		R6303-05	ERJ3GEY6102	M.RESISTOR CH 1/16W 1K	3	
P6104	K1KA08B00147	CONNECTOR (FEMALE)	1		R6306-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
P6105	K1MN45B00006	CONNECTOR	1		R6309	ERJ6RBD181	M.RESISTOR CH 1/10W 180	1	
P6300	K1KB0A00106	CONNECTOR (FEMALE)	1		R6310	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
P6700	K1KA21B00004	CONNECTOR (MALE)	1		R6311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D06B103JA002
P6800	K1KA03B00102	CONNECTOR (MALE)	1		R6313-15	ERJ3GEYJ021	M.RESISTOR CH 1/16W 020	3	
P6801	VJP3950F011	CONNECTOR (MALE)	1		R6316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002
PB1	VJB16104-2	LCD MAIN	1		R6317	ERJ6RBD302	M.RESISTOR CH 1/10W 3K	1	
Q6101,02	HAT1024R	TRANSISTOR	2		R6318	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
Q6300-02	2SA10220BL	TRANSISTOR	3		R6319	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
Q6303	2SD1328-S	TRANSISTOR	1		R6320,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
Q6304	2SB0709ALL	TRANSISTOR	1		R6322,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
Q6305,06	2SD1328-S	TRANSISTOR	2		R6325	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q6307	2SA10220BL	TRANSISTOR	1		R6327-32	D1H833040002	COMBI. R-R 33	6	
Q6800-05	B1DFG0000016	TRANSISTOR	6		R6333	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
Q6806	2SD1820A-R	TRANSISTOR	1		R6334	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
Q6807	HAT1024R	TRANSISTOR	1		R6335	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
QR6100,01	UNR521100L	TRANSISTOR	2		R6336	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
QR6102	UNR511400L	TRANSISTOR-RESISTOR	1		R6338	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002
QR6103-06	UNR521100L	TRANSISTOR	4		R6339	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
QR6800	UNR511400L	TRANSISTOR-RESISTOR	1		R6340	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002
QR6801	UNR521400L	TRANSISTOR-RESISTOR	1		R6341,42	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	2	
QR6802,03	UNR521100L	TRANSISTOR	2		R6343,44	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R6100	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		R6351,52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6103	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1		R6354	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6104	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1		R6357-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6105	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	R6363-66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D06B103JA002
R6107	EXB24V103J	COMBI. R-R 10K	1		R6367-78	EXB24V103J	COMBI. R-R 10K	12	
R6108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	R6383-85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6109-19	EXB24V103J	COMBI. R-R 10K	11		R6390,91	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	2	
R6120-25	D1H833040002	COMBI. R-R 33	6		R6392	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R6126,27	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2		R6400	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6128	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1		R6401	ERJ6RED220	M.RESISTOR CH 1/10W 22	1	
R6129	D1H833040002	COMBI. R-R 33	1		R6402	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
R6130	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		R6403-08	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	6	
R6131,32	D1H833040002	COMBI. R-R 33	2		R6410-13	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	4	
R6133,34	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2		R6414	D1H833040002	COMBI. R-R 33	1	
R6135	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		R6415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	R6416,17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R6137	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R6418	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6140	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1		R6427	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1	
R6141	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R6500	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6142	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1		R6501-03	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R6143	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R6504,05	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R6144	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1		R6506-10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D06B103JA002
R6145	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R6511-16	D1H833040002	COMBI. R-R 33	6	
R6146	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1		R6517	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R6147	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	R6518-20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D06B103JA002
R6200-17	EXB24V103J	COMBI. R-R 10K	18		R6521-23	ERJ6RED100	M.RESISTOR CH 1/10W 10	3	
R6218,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D06B103JA002	R6524	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R6221	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1		R6525	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R6222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R6526,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D06B103JA002
R6223	EXB24V103J	COMBI. R-R 10K	1		R6529	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R6224	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	R6530	ERJ6RBD181	M.RESISTOR CH 1/10W 180	1	
R6225	EXB24V103J	COMBI. R-R 10K	1		R6531	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
R6226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	R6532	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R6227-30	EXB24V103J	COMBI. R-R 10K	4		R6533	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R6231	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1		R6536	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	1	
R6232,33	ERJ6RBD113	M.RESISTOR CH 1/10W 11K	2		R6538	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6234	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1		R6539	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R6235	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		R6600	D1H833040002	COMBI. R-R 33	1	
R6236	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1		R6601	EXB24V103J	COMBI. R-R 10K	1	
R6237,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		R6602	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002
					R6603	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
					R6604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
					R6605-16	D1H833040002	COMBI. R-R 33	12	
					R6617,18	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
					R6619-22	ERJ3GEYJ6102	M.RESISTOR CH 1/16W 1K	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6624	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R6876	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R6626, 27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R6877	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6628	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1		R6879	ERX2S31R0	M.RESISTOR 2W 1	1	
R6629	ERJ6RED220	M.RESISTOR CH 1/10W 22	1						
R6630	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		SW6200	VSS0367-08B	SWITCH	1	
R6631, 32	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2						
R6700-05	D1H833040002	COMBI. R-R	33	6					
R6706	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1		TP6100-05	EYF6CU	TEST POINT	6	
R6707	D1H833040002	COMBI. R-R	33	1	TP6300-04	EYF6CU	TEST POINT	5	
R6708	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		TP6400-05	EYF6CU	TEST POINT	6	
R6709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	TP6600-04	EYF6CU	TEST POINT	5	
R6710-19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10		TP6800-03	EYF6CU	TEST POINT	4	
R6722	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1						
R6723	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D06B103JA002	X6200	H0J100500016	CRYSTAL OSCILLATOR	1	
R6800	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		X6500	H1A3305B0005	CRYSTAL OSCILLATOR	1	
R6802	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1						
R6803	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1				MISCELLANEOUS		
R6804, 05	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	2						
R6806, 07	ERJ3RED100	M.RESISTOR CH 1/16W 10	2			VMS4913	P.C. BOARD SPACER	6	
R6808	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005		XYN3+J5	SCREW	6	
R6809	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1			VMS4950	P.C.B. POST	2	
R6811	ERJ3RED220	M.RESISTOR CH 1/16W 22	1			XYN26+K5	SCREW	2	
R6812	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1			VEE0Z30	GND CABLE	1	
R6813, 14	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	2						
R6815, 16	ERJ3RED100	M.RESISTOR CH 1/16W 10	2						
R6817	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005					
R6818	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1						
R6820	ERJ3RED020	M.RESISTOR CH 1/16W 82	1		■ E2	VEP13114A	SUB P.C. BOARD	1	(RTL)
R6821	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1						
R6822, 23	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2						
R6824, 25	ERJ3RED100	M.RESISTOR CH 1/16W 10	2		C3101	EEVHP1E100	E.CAPACITOR 25V 10U	1	
R6826	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005	C3102	EEVHB1A330	E.CAPACITOR 10V 33U	1	
R6827	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1		C3103, 04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6828	ERJ3RED270	M.RESISTOR CH 1/16W 27	1		C3105	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
R6829	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		C3106	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
R6830	ERJ3RED270	M.RESISTOR CH 1/16W 27	1		C3107, 08	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6831	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C3109	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
R6832	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		C3110	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
R6833	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1		C3111, 12	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6834	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1		C3113	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
R6835	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		C3114	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
R6836	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1		C3115	EEVHP1E100	E.CAPACITOR 25V 10U	1	
R6837	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C3119-21	EEVHP1E220	E.CAPACITOR 25V 22U	3	
R6838	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1		C3201	EEVHP1E100	E.CAPACITOR 25V 10U	1	
R6839	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		C3202	EEVHB1A330	E.CAPACITOR 10V 33U	1	
R6840	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C3203, 04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6841	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		C3205	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
R6842, 43	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	2		C3206	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
R6844	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		C3207-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
R6845	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C3210	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
R6846	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		C3211	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
R6847	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		C3212	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
R6849	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1		C3213	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
R6850	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1		C3214	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
R6851	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		C3215, 16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6852	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1		C3217	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
R6853	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		C3218	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
R6854	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1		C3219, 20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6855, 56	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	2		C3221	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
R6857	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR00000005	C3222	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
R6858	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C3223	EEVHP1E220	E.CAPACITOR 25V 22U	1	
R6859	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		C3301	EEVHP1E100	E.CAPACITOR 25V 10U	1	
R6860	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C3302	EEVHB1A330	E.CAPACITOR 10V 33U	1	
R6861	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1		C3303, 04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6862	ERJ6RBD113	M.RESISTOR CH 1/10W 11K	1		C3305	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
R6863	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1		C3306	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
R6864	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		C3307-09	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
R6865	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		C3310	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
R6866	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		C3311	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
R6867	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		C3312	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
R6869	ERJ3RED330	M.RESISTOR CH 1/16W 33	1		C3313	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
R6870	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1		C3314	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
R6872	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1		C3315, 16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
R6874	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1		C3317	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
R6875	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		C3318, 19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3320	ECJ1VC1H560J	C. CAPACITOR CH 50V 560P	1		Q3313	2SC2295-B	TRANSISTOR	1	
C3321	ECJ1VC1H181J	C. CAPACITOR CH 50V 180P	1		Q3314	2SA1022-C	TRANSISTOR	1	
C3322	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		Q3315	2SC3757-R	TRANSISTOR	1	
C3323	EEVHP1E220	E. CAPACITOR 25V 22U	1		Q3316	2SC2295-B	TRANSISTOR	1	
C3401	EEVHB1A330	E. CAPACITOR 10V 33U	1		Q3317	2SA1022-C	TRANSISTOR	1	
C3402	F1H1H104A783	C. CAPACITOR CH 50V 0.1U	1						
C3405-09	F1H1H104A783	C. CAPACITOR CH 50V 0.1U	5		R3101	ERJ14NF75R0	M. RESISTOR CH 1/4W 75	1	
C3410	EEVHB1A330	E. CAPACITOR 10V 33U	1		R3102	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
C3411-19	F1H1H104A783	C. CAPACITOR CH 50V 0.1U	9		R3103	ERJ3GEYJ682	M. RESISTOR CH 1/16W 6.8K	1	
C3601	F1H1H104A783	C. CAPACITOR CH 50V 0.1U	1		R3104	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
					R3105	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
D3101, 02	MA152K	DIODE	2		R3106	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
D3103	MA157A	DIODE	1		R3107	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
D3201	MA152K	DIODE	1		R3108, 09	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2	
D3301	MA152K	DIODE	1		R3110	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
D3406, 07	MA157A	DIODE	2		R3111	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
					R3112	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
IC3101, 02	TC7W53FU	IC	2		R3113	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
IC3201-04	TC7W53FU	IC	4		R3114	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
IC3301-04	TC7W53FU	IC	4		R3115, 16	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
IC3403	ADM202JRN	IC	1	C0ZBZ0000171	R3117	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
					R3118	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
J3101, 02	K1QB82AA0004	CONNECTOR	2		R3119	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
J3201	K1QB82AA0004	CONNECTOR	1		R3120, 21	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
					R3122	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
L3101	VLQ0319K470	COIL 47UH	1	G1C470K00013	R3123, 24	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	D0GB103JA002
L3201	VLQ0319K470	COIL 47UH	1	G1C470K00013	R3125	ERJ3RBD101	M. RESISTOR CH 1/16W 100	1	
L3301	VLQ0319K470	COIL 47UH	1	G1C470K00013	R3126	ERJ3RBD562	M. RESISTOR CH 1/16W 5.6K	1	
L3405	VLQ0319K470	COIL 47UH	1	G1C470K00013	R3127	ERJ3RBD473	M. RESISTOR CH 1/16W 47K	1	
L3406, 07	J0JBC0000041	FILTER	2		R3128	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
L3412-19	J0JBC0000041	FILTER	8		R3129	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
					R3130	ERJ6GEYJ152	M. RESISTOR CH 1/10W 1.5K	1	
P3101	VJP3950F002	CONNECTOR	1		R3131	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
P3402, 03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016	R3132, 33	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	2	
P3602	K1MN45B000006	CONNECTOR	1		R3134	ERJ3GEYJG332	M. RESISTOR CH 1/16W 3.3K	1	
P3603	VJP3950F004	CONNECTOR	1		R3135	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
P3604	VJP3950F005	CONNECTOR (MALE)	1		R3137	ERJ14NF75R0	M. RESISTOR CH 1/4W 75	1	
P3605	K1FA108A00003	CONNECTOR (MALE)	1		R3138	ERJ3GEYJ220	M. RESISTOR CH 1/16W 22	1	
					R3201	ERJ14NF75R0	M. RESISTOR CH 1/4W 75	1	
PB1	VJB13114ZA-1	SUB	1		R3202	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
					R3203	ERJ3GEYJ682	M. RESISTOR CH 1/16W 6.8K	1	
Q3101, 02	2SC2295-B	TRANSISTOR	2		R3204	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
Q3103	2SA1022-C	TRANSISTOR	1		R3205	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
Q3104, 05	2SC2295-B	TRANSISTOR	2		R3206	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
Q3106	2SA1022-C	TRANSISTOR	1		R3207	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
Q3107	2SC2295-B	TRANSISTOR	1		R3208, 09	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2	
Q3108	2SA1022-C	TRANSISTOR	1		R3210	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
Q3109	2SC3757-R	TRANSISTOR	1		R3211	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
Q3110	2SA1022-C	TRANSISTOR	1		R3212	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
Q3111	2SC2295-B	TRANSISTOR	1		R3213	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	
Q3201, 02	2SC2295-B	TRANSISTOR	2		R3214	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
Q3203	2SA1022-C	TRANSISTOR	1		R3215	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3204	2SC2295-B	TRANSISTOR	1		R3216, 17	ERJ3GEYJ151	M. RESISTOR CH 1/10W 150	2	
Q3205	2SA1022-C	TRANSISTOR	1		R3218	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3206	2SC2295-B	TRANSISTOR	1		R3219	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
Q3207	2SA1022-C	TRANSISTOR	1		R3220	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3208	2SC2295-B	TRANSISTOR	1		R3221, 22	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
Q3209	2SA1022-C	TRANSISTOR	1		R3223	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3210, 11	2SC2295-B	TRANSISTOR	2		R3224	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
Q3212	2SA1022-C	TRANSISTOR	1		R3225	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3213	2SC2295-B	TRANSISTOR	1		R3226	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
Q3214	2SA1022-C	TRANSISTOR	1		R3227	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3215	2SC3757-R	TRANSISTOR	1		R3228, 29	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
Q3216	2SC2295-B	TRANSISTOR	1		R3230	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3217	2SA1022-C	TRANSISTOR	1		R3231	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
Q3301, 02	2SC2295-B	TRANSISTOR	2		R3232	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3303	2SA1022-C	TRANSISTOR	1		R3233, 34	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	2	
Q3304	2SC2295-B	TRANSISTOR	1		R3235	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
Q3305	2SA1022-C	TRANSISTOR	1		R3236	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3306	2SC2295-B	TRANSISTOR	1		R3237	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	D0GB103JA002
Q3307	2SA1022-C	TRANSISTOR	1		R3238	ERJ3RBD122	M. RESISTOR CH 1/16W 1.2K	1	
Q3308	2SC2295-B	TRANSISTOR	1		R3239	ERJ3RBD272	M. RESISTOR CH 1/16W 2.7K	1	
Q3309	2SA1022-C	TRANSISTOR	1		R3240	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q3310, 11	2SC2295-B	TRANSISTOR	2		R3241, 42	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	2	
Q3312	2SA1022-C	TRANSISTOR	1		R3243	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3244	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		C400	ECQ81H471J3F	P.CAPACITOR 50V 470P	1	
R3301	ERJ14NF75R0	M.RESISTOR CH 1/4W 75	1						
R3302	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1		D100	MA2J72800L	DIODE	1	
R3303	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1						
R3304	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		IC200	LT1117CST	IC	1	
R3305	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		IC201	C1AB00001723	IC	1	
R3306	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1						
R3307	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		L200	J0JBC0000041	FILTER	1	
R3308,09	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2						
R3310	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		P100	VJP3950F008	CONNECTOR (MALE)	1	
R3311	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		P300	K1KA60A00132	CONNECTOR (MALE)	1	
R3312	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1						
R3313	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		PB1	VJB13115-2	CVBS DEC	1	
R3314	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1						
R3315	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		Q100	2SD601A-R	TRANSISTOR	1	
R3316,17	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2						
R3318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R100	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3319	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1		R104	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3321,22	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2		R112	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R200-02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3324	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1		R203	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R3325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R204	ERJ6RED100	M.RESISTOR CH 1/10W 10	1	
R3326	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1		R205	ERJ6RBD181	M.RESISTOR CH 1/10W 180	1	
R3327	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R206	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R3328,29	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2		R207-09	ERJ6RED560	M.RESISTOR CH 1/10W 56	3	
R3330	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R210	EXBV8V102J	COMBI.R-R 1K	1	
R3331	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1		R211-13	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3332	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R215	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3333,34	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2		R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3335	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R220-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	11	
R3336	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		R231	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002	R232,33	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R3338	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1						
R3339	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		TG100	EYF6CU	TEST POINT	1	
R3340	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		TG300	EYF6CU	TEST POINT	1	
R3341,42	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2						
R3343	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		X200	H0J245500014	CRYSTAL OSCILLATOR	1	
R3344	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1						
R3409,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2						
R3411,12	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2						
R3413-20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	D0GB103JA002					
R3601-04	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4						
R3605-10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002	 E4	VEP10120A	SDI P.C.BOARD	1 (RTL)	
SW3601	VSS0367-06B	SWITCH	1	K0D161A00001					
TG3601-03	EYF6CU	TEST POINT	3		C1,C2	F1H1H470A231	C.CAPACITOR CH 50V 47P	2	
					C5	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
TP3101,02	EYF6CU	TEST POINT	2		C6	F1H1A105A004	C.CAPACITOR CH 10V 1U	1	
TP3201	EYF6CU	TEST POINT	1		C8	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
TP3301	EYF6CU	TEST POINT	1		C10	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
					C11,12	ECST1CY475	T.CAPACITOR CH 16V 4.7U	2	
					C13	ECST1CY105R	C.CAPACITOR CH 16V 1U	1	
		MISCELLANEOUS			C14	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
					C15	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
	VMP7844	D-SUB ANGLE	1		C16-19	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	4	
	K1YE25000007	SCREW	4		C20	F1H1H103A190	C.CAPACITOR CH 50V 0.01U	1	
	XWA268FN	WASHER	4		C21	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
					C22-24	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	3	
					C25	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
					C26	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
					C27	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
					C28	ECST1CY105R	C.CAPACITOR CH 16V 1U	1	
 E3	VEP13115A	CVBS P.C.BOARD	1 (RTL)		C29	F1H1H222A190	C.CAPACITOR CH 50V 2200P	1	
					C30,31	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	2	
					C33-37	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	5	
C100	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1		C38,39	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C104	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1		C40	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
C108	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1		C41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C200	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1		C47	F1H1C104A005	C.CAPACITOR CH 16V 0.1U	1	
C201	EEFC0DJ470R	E.CAPACITOR 6.3V 47U	1		C50	F1H1H1R5A612	C.CAPACITOR CH 50V 1.5P	1	
C202,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2		C51-54	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	4	
C204,05	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2		C60	F1E1H1040018	C.CAPACITOR CH 50V 0.1U	1	
C206-13	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	8						
C214-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14		D3	AA1101W330	DIODE	1	B3ADB0000018

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D4	PG1101W330	DIODE	1	
D7-10	MA2J72800L	DIODE	4	
IC2	C1AB00001653	IC	1	
IC3	C0JBAZ000279	IC	1	
IC4	C1AB00001900	IC	1	
IC5, C6	C0JBAZ000279	IC	2	
J1, J2	VJP4131	CONNECTOR (MALE)	2	K1QZB1AD0003
L1	G1C6N8J00006	COIL 6.8UH	1	
L2-L8	J0JDC0000016	COIL	7	
L9	G1C5N6J00001	COIL 5.6UH	1	
P1	K1KA00A00132	CONNECTOR (MALE)	1	
R1, R2	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	2	
R3	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R9	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R13	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R14	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R15	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R17	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R18	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R20, 21	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	2	
R22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R23-27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	5	
R29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R30	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R31-51	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	21	
R52	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R54, 55	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R56, 57	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
TP7	D0YDR0000011	M.RESISTOR CH 1/8W 0	1	
X2	H4G1487B0002	CRYSTAL OSCILLATOR	1	
■ E5	VEP10119A	SDI SUB P.C.BOARD	1	(RTL)
C502	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C503	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
D501, 02	MA152K	DIODE	2	
J501	K1QBB1BA0012	CONNECTOR (FEMALE)	1	
J502	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003
J503, 04	K1QBB1BA0012	CONNECTOR (FEMALE)	2	
J505	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003
L501	VLQ07823N3	COIL	1	G1C3N3ZA0001
L502	VLQ0441K47	COIL 4.7UH	1	
L503, 04	VLQ07823N3	COIL	2	G1C3N3ZA0001
P500	VJP3950F004	CONNECTOR	1	
Q501, 02	2SD0601A-R	TRANSISTOR	2	
QR501	UNR221300L	TRANSISTOR	1	
R501	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R503, 04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
RY501, 02	K6D1CGA00008	RELAY	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMP7843	SDI P.C.B. ANGLE	1	
	XYN3+K6	SCREW	1	
■ E6	VEP11110A	POWER SUB P.C.BOARD	1	(RTL)
C101	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C102	EEVHB1HR33	E.CAPACITOR 50V 0.33U	1	
D101	RK34	DIODE	1	B0JANE000005
D102	MA3200-M	DIODE	1	
L101, 02	VLF1151A132	COIL	2	
P101	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
P102	K1KA02B00075	CONNECTOR (MALE)	1	
P103	VJP3518D0005	CONNECTOR (MALE)	1	
P104	K1KA03B00102	CONNECTOR (MALE)	1	
Q101	B1DDHF000001	TRANSISTOR	1	
QR101, 02	UN2212	TRANSISTOR-RESISTOR	2	UNR2212
▲ R101	K5H5021A0004	FUSE	1	
R102	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R103	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R104	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R105	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R106-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
■ E7	VEP10117A	TALLY P.C.BOARD	1	(RTL)
D401, 02	LN1351C	DIODE	2	
D403, 04	LN1251CTR	LED	2	
P401	VJP3950A003D	CONNECTOR (MALE)	1	
■ E8	VEP10115B	FRONT P.C.BOARD	1	(RTL)
C201	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C202-08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	7	
C210-12	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C213	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
IC201, 02	C0JBAZ0001935	IC	2	
IC203	C0JBAQ000175	IC	1	
L201	G1C101K00022	COIL 100UH	1	
P201	K1KA10A00322	CONNECTOR (MALE)	1	
P202	VJP3950C012	CONNECTOR (MALE)	1	
PB1	VJB10115ZA-2	FRONT	1	
QR204-07	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
R201-12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	12	D0GB103JA002
R213-15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R216-19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002

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